

001

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

## APPLICATION FOR PERMIT TO DRILL, DEEPEN

1a. TYPE OF WORK DRILL ☐ DEEPEN ☒

1b. TYPE OF WELL

OIL ☒ GAS ☐ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☒

2. NAME OF OPERATOR

Inland Production Company

3. ADDRESS AND TELEPHONE NUMBER:

Route #3 Box 3630, Myton, UT 84052

Phone: (435) 646-3721

4. LOCATION OF WELL (FOOTAGE)

At Surface

NE/NE

525' FNL 750' FEL

597788 X 40.86569

4435468 Y -109.85334

At proposed Producing Zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

Approximately 22.3 miles southeast of Myton, UT

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)

Approx 525' f/lse line

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT.

Approximately 1366'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

4824' GL

## 23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT/FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24#	290'	155 sx +/- 10%
7 7/8	5 1/2	15.5#	TD	275 sx lead followed by 450 sx tail
				See Detail Below

DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give date on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

\*The actual cement volumes will be calculated off of the open hole logs, plus 15% excess:

**SURFACE PIPE** - 155 sx Class G Cement +/I 10%, w/ 2% CaCl<sub>2</sub> & 1/4#/sk Cello-flake  
Weight: 15.8 PPG YIELD: 1.17 Cu Ft/sk H<sub>2</sub>O Req: 5 gal/sk

**LONG STRING** - Lead: Premium Lite II Cement + 3lbs/sk BA-90 + 3% KCl + .25 lbs/sk Cello Flake + 2 lbs/sk Kol Seal + 10% Bentonite + .5% Sodium Metasilicate  
Weight: 11.0 PPG YIELD: 3.43 Cu Ft/sk H<sub>2</sub>O Req: 21.04 gal/sk

Tail: 50-50 Poz-Class G Cement + 3% KCl + .25 lbs/sk Cello Flake + 2% Bentonite + .3% Sodium Metasilicate  
Weight: 14.2 PPG YIELD: 1.59 Cu Ft/sk H<sub>2</sub>O Req: 7.88 gal/sk

24. Name & Signature Mandie Crozier Title: Regulatory Specialist

Date:

6/2/04

(This space for State use only)

API Number Assigned:

43-047-35773

APPROVAL:

RECEIVED

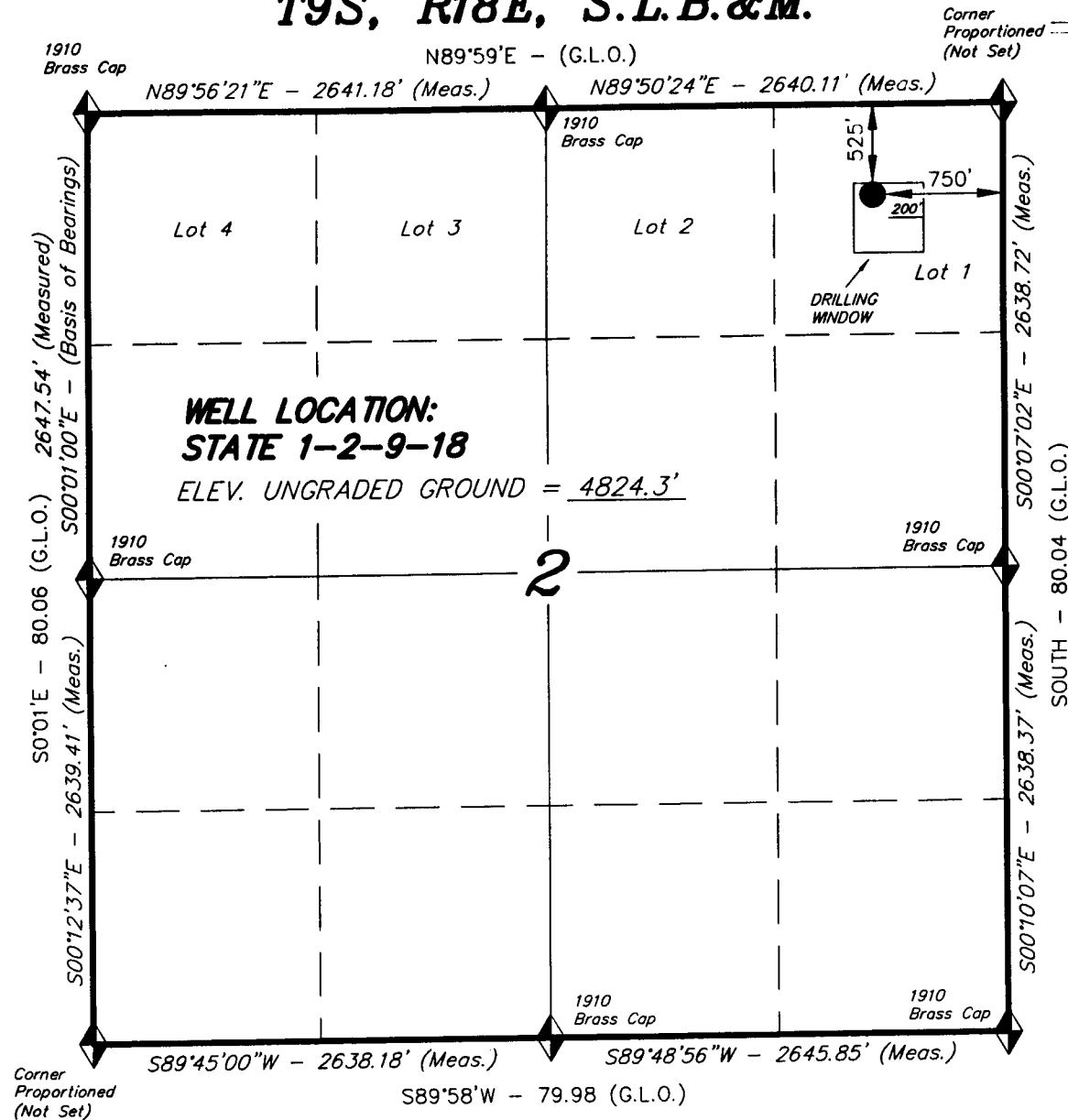
JUN 03 2004

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\*See Instructions On Reverse Side

**T9S, R18E, S.L.B.&M.**

**INLAND PRODUCTION COMPANY**



WELL LOCATION, STATE 1-2-9-18,  
LOCATED AS SHOWN IN LOT 1 OF  
SECTION 2, T9S, R18E, S.L.B.&M. UTAH  
COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
MADE BY ME OR UNDER MY SUPERVISION AND THAT  
THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
MY KNOWLEDGE AND BELIEF. No. 189377

*Stacy W. Stewart*  
STACY W. STEWART  
REGISTERED LAND SURVEYOR  
REGISTRATION No. 189377  
STATE OF UTAH



= SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (UTELAND BUTTE)

**TRI STATE LAND SURVEYING & CONSULTING**

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
(435) 781-2501

SCALE: 1" = 1000'	SURVEYED BY: K.G.S.
DATE: 4-21-04	DRAWN BY: J.R.S.
NOTES:	FILE #

CULTURAL RESOURCE INVENTORY FOR INLAND  
RESOURCES OF SECTIONS 2 AND 16, T 9S, R 18E  
ON EIGHT MILE FLAT, UINTAH COUNTY, UTAH

BY:

Angela Whitfield  
and  
Amanda Wilson

Prepared For:

State and Institutional  
Trust Land Administration

Prepared Under Contract With:

Inland Resources  
Route 3 Box 3630  
Myton, UT 84052

Prepared By:

Montgomery Archaeological Consultants  
P.O. Box 147  
Moab, Utah 84532

MOAC Report No. 04-37

April 16, 2004

United States Department of Interior (FLPMA)  
Permit No. 04-UT-60122

State of Utah Antiquities Project (Survey)  
Permit No. U-04-MQ-0109s

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JUN 03 2004

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## ABSTRACT

A cultural resource inventory was conducted by Montgomery Archaeological Consultants (MOAC) of T 9S, R 18E, Sections 2 and 16 for Inland Resources. The project area is located on Eightmile Flat, Uintah County, Utah. Inland Resources, Inc. proposes to develop oil/gas well locations, access roads, and pipelines within these blocks. The inventory was implemented at the request of Ms. Mandie Crozier of Inland Resources. The project occurs entirely on land administered by the School and Institutional Trust Land Administration (SITLA).

The project area lies approximately 20 miles south of Roosevelt, Utah. The inventory resulted in the identification of thirteen new archaeological sites (42Un3669 through 42Un3681) and one isolated find of artifact. Five of the sites (42Un3674, 42Un3678, 42Un3679, 42Un3680, and 42Un3681) are recommended as eligible to the NRHP (see Table 1). These consist of three prehistoric temporary camps (42Un3674, 42Un3678, and 42Un3680), a lithic scatter (42Un3679), and a rock art site (42Un3681). The prehistoric camps and lithic scatter are deemed eligible to the NRHP under Criterion D due to their potential to yield additional information on the prehistory of the area. One of the sites (42Un3674) contains three single-hand manos and a core, all located near overhangs that are potential rock shelters. Colluvial deposits cover the site area, and could obscure the presence of additional cultural materials. Another prehistoric temporary camp (42Un3680) contains a core, several flakes, and a fire-cracked rock concentration. Aeolian soils covering the site area could obscure the presence of additional cultural materials. Site 42Un3678 contains lithic debitage and nine tools, including one diagnostic tool - the base of an Elko corner-notched projectile point. The lithic scatter (42Un3679) contains 15 pieces of lithic debitage of a variety of material types, a core, and a utilized flake. It is located near an ephemeral wash, and alluvial soils in the area suggest the potential for buried cultural materials. The rock art site (42Un3681) is evaluated as eligible to the NRHP under Criteria C and D. It possesses high artistic values as it is one of the few rock art sites that have been identified in the immediate area, and has potential to yield information important to the prehistory of the area.

Eight of the sites are evaluated as not eligible to the NRHP (Table 1). The prehistoric site types include two lithic scatters (42Un3675 and 42Un3677). These sites lack temporal indicators and spatial patterning and occur on sediments that are unlikely to yield buried cultural materials. The remainder of the sites evaluated as not eligible to the NRHP include five historic temporary camps (42Un3669 through 42Un3673) and a site containing two cairns (42Un3676). These sites all possess a limited class of artifacts and little depth potential. They are common site types to the area, and are unlikely to contribute to the historic research domains of the area.

It is recommended that the eligible sites be avoided by any future undertakings. Based on adherence to this recommendation, a determination of "no historic properties affected" pursuant to Section 106, CFR 800 is proposed for this project.

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## INTRODUCTION

A cultural resource inventory was conducted by Montgomery Archaeological Consultants (MOAC) of T 9S, R 18E, Sections 2 and 16. The project area is located on Eightmile Flat, Uintah County, Utah. Inland Resources, Inc. proposes to develop oil/gas well locations, access roads, and pipelines within these blocks. The inventory was implemented at the request of Ms. Mandie Crozier of Inland Resources. The project occurs entirely on land administered by the School and Institutional Trust Land Administration (SITLA).

The objective of the inventory was to locate, document and evaluate any cultural resources within the project area. This project was carried out in compliance with Federal and State legislation including the Antiquities Act of 1906, the National Historic Preservation Act (NHPA) of 1966 (as amended), the National Environmental and Historic Preservation Act of 1969, the Archaeological and Historic Conservation Act of 1972, the Archaeological Resources Protection Act of 1979, and the American Indian Religious Freedom Act of 1978.

The fieldwork was conducted on March 8-13, 2004 under the direction of Keith R. Montgomery (Principal Investigator) and assisted by Mark Beeson, Mike Carlisle, and Greg Woodall. The inventory was conducted under the auspices of U.S.D.I. (FLPMA) Permit No. 04-UT-60122 and State of Utah Antiquities Project (Survey) No. U-04-MQ-0109s.

A file search for previous inventories was conducted by Marty Thomas on March 4, 2004 at the Utah State Historic Preservation Office in Salt Lake City. According to this consultation, a number of inventories have been conducted within the immediate project area. In 1979, Archeological-Environmental Research Corporation (AERC) conducted a cultural resource survey of three proposed drill locations for Mapco Corporation (Norman and Hauck 1979). The survey area included a portion of Section 16. No cultural resources were identified during the project. In 1981, Nickens and Associates performed a cultural resource inventory for the proposed Bonanza-Castle Peak-Upalco Transmission Line corridor and access roads for Deseret Generation and Transmission Co-operative (Christensen 1981). The transmission line was approximately 57 miles long, and a portion of it passed through Section 16, Township 9 South, Range 18 East. Thirty three archaeological sites and 56 isolated finds were identified during the project. One of the sites, 42Un1174, was deemed a possible NRHP eligible site. In 1984, AERC performed cultural resource inventories of two proposed well locations and access routes for Diamond Shamrock Exploration (Hauck 1984). A portion of the access route to well location 23-1 was located in Section 2, Township 9 South, Range 18 East. No sites were identified during the project, however several isolated tools and primary flakes were observed. In February 2004, MOAC performed a cultural resource inventory adjacent to the current project area that resulted in the documentation of four new archaeological sites (Wilson and Montgomery 2004a). The sites were all historic short-term camps or trash scatters evaluated as not eligible to the NRHP. In April 2004, MOAC conducted another cultural resource inventory in the area that included Sections 9, 10, 11, 14, 15, and 23, Township 9 South, Range 18 East (Wilson and Montgomery 2004b). The inventory resulted in documentation of seventy-one new archaeological sites. Twenty-eight of the sites were evaluated as eligible to the NRHP. These include one historic site, two multi-component sites, and twenty five prehistoric sites. The prehistoric sites consist of nineteen lithic scatters and six temporary camps.

## DESCRIPTION OF PROJECT AREA

The project area lies approximately 20 miles south of Roosevelt, Utah on Eightmile Flat, Uintah County, Utah. The inventory area is located in Township 9 South, Range 18 East, Section 2 and Section 16 (Figures 1 and 2). A total of 1240 acres, including 640 acres in Section 16 and 600 acres in Section 2, was inventoried on lands administered by School and Institutional Trust Land Administration (SITLA).

### Environmental Setting

The project area lies within the Uinta Basin physiographic unit, a distinctly bowl-shaped geologic structure (Stokes 1986:231). The entire Uinta Basin ecosystem is within the Green River drainage, considered to be the northernmost extension of the Colorado Plateau. Topographically, this area consists of highly dissected sandstone and mudstone rock formations and broad sandy silt ridges. Recent alluvial deposits, older alluvial terrace deposits, and rock outcrops of the Upper Eocene Uinta Formation constitute the surface geology of the area. The Uinta Formation is seen as eroded outcrops formed by fluvial deposited stream laid interbedded sandstone and mudstone. This formation is known for its fossil vertebrates, including turtles, crocodilians, fish, and mammals. The elevation ranges from 5100 to 5140 feet a.s.l. Named water sources north of the project area include Pariette Draw and Castle Peak Draw. In addition, there are numerous unnamed washes in the immediate project vicinity. The project area lies within the Upper Sonoran life zone, dominated by a mixed desert shrub zone. Vegetation in the area includes shadscale, low sagebrush, mat saltbush, greasewood, rabbitbrush, snakeweed, prickly pear cactus, pincushion cactus, and bunch grasses. Modern disturbances to the landscape include oil and gas development, access roads, pipelines, and livestock grazing.

### Cultural Overview

The cultural-chronological sequence represented in the area includes the Paleoindian, Archaic, Fremont, Protohistoric, and Euro-American stages. The earliest inhabitants of the region are representative of the Paleoindian stage (ca. 12,000-8,000 B.P.), characterized by the adaptation to terminal Pleistocene environments and by the exploitation of big game fauna. The presence of Paleoindian hunters in the Uinta Basin region is implied by the discovery of Clovis and Folsom fluted points (ca. 12,000 B.P. - 10,000 B.P.), as well as the more recent Plano Complex lanceolate points (ca. 10,000 B.P. - 7,000 B.P.). Near the project area, a variety of Plano Complex Paleoindian projectile points have been documented, including Goshen, Alberta, and Midland styles (Hauck 1998). No sites with evidence of Folsom lithic technology have previously been documented near the project area. Spangler (1995:332) reports that there are no sealed cultural deposits in association with extinct fauna or with chronologically distinct Paleoindian artifacts in Utah. Specifically in the Uinta Basin, few Paleoindian sites have been adequately documented, and most evidence of Paleoindian exploitation of the area is restricted to isolated projectile points recovered in nonstratigraphic contexts. Copeland and Fike (1998:21) argue that many areas in Utah are conducive to the herding behavior of megafauna, and that there is a high probability that many of the sites in Utah of unknown age are Paleoindian.

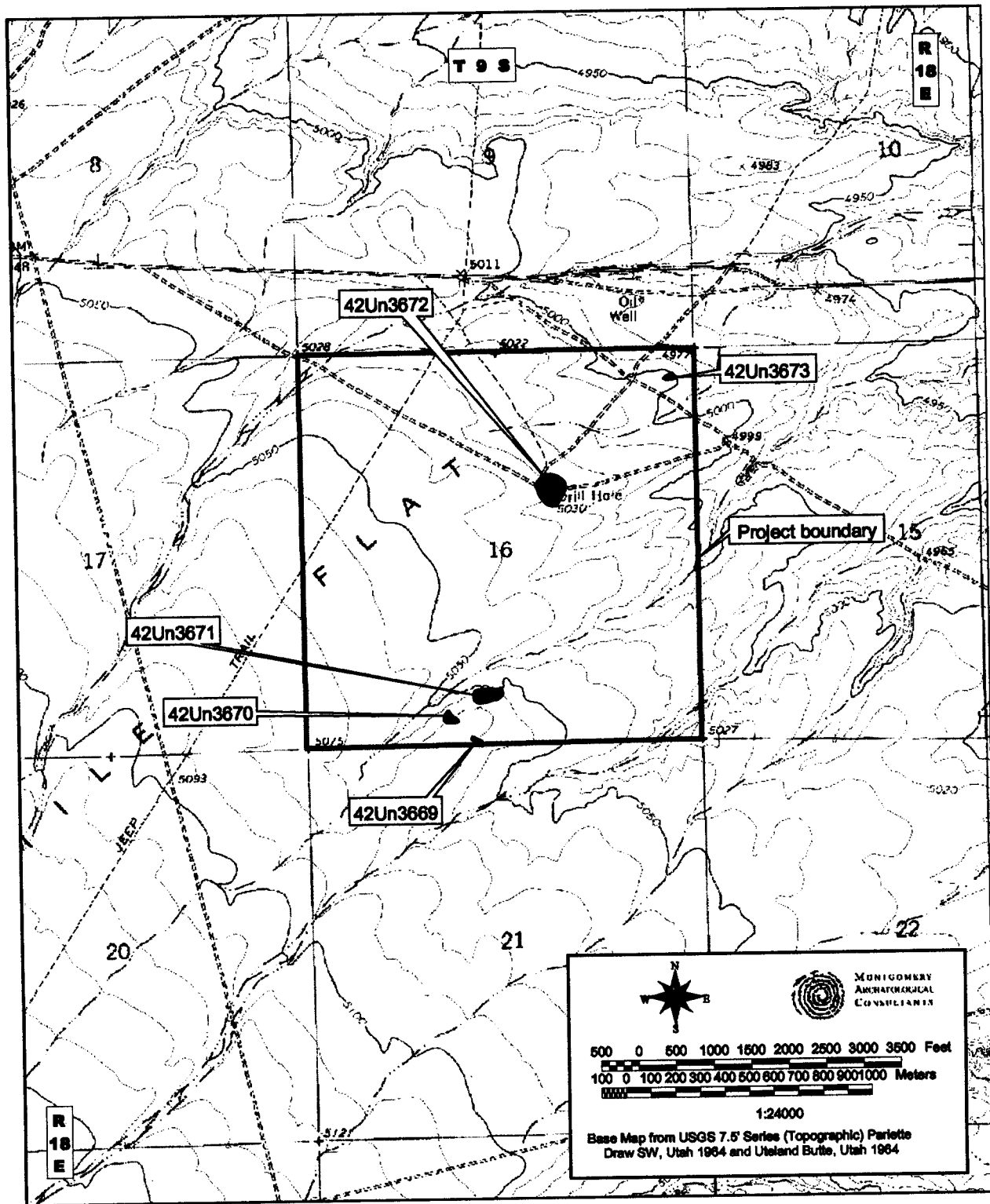


Figure 1. Inventory Area of Section 16, Township 9S, Range 18E on Eight Mile Flat for Inland Resources, Uintah County, Utah showing cultural resources.



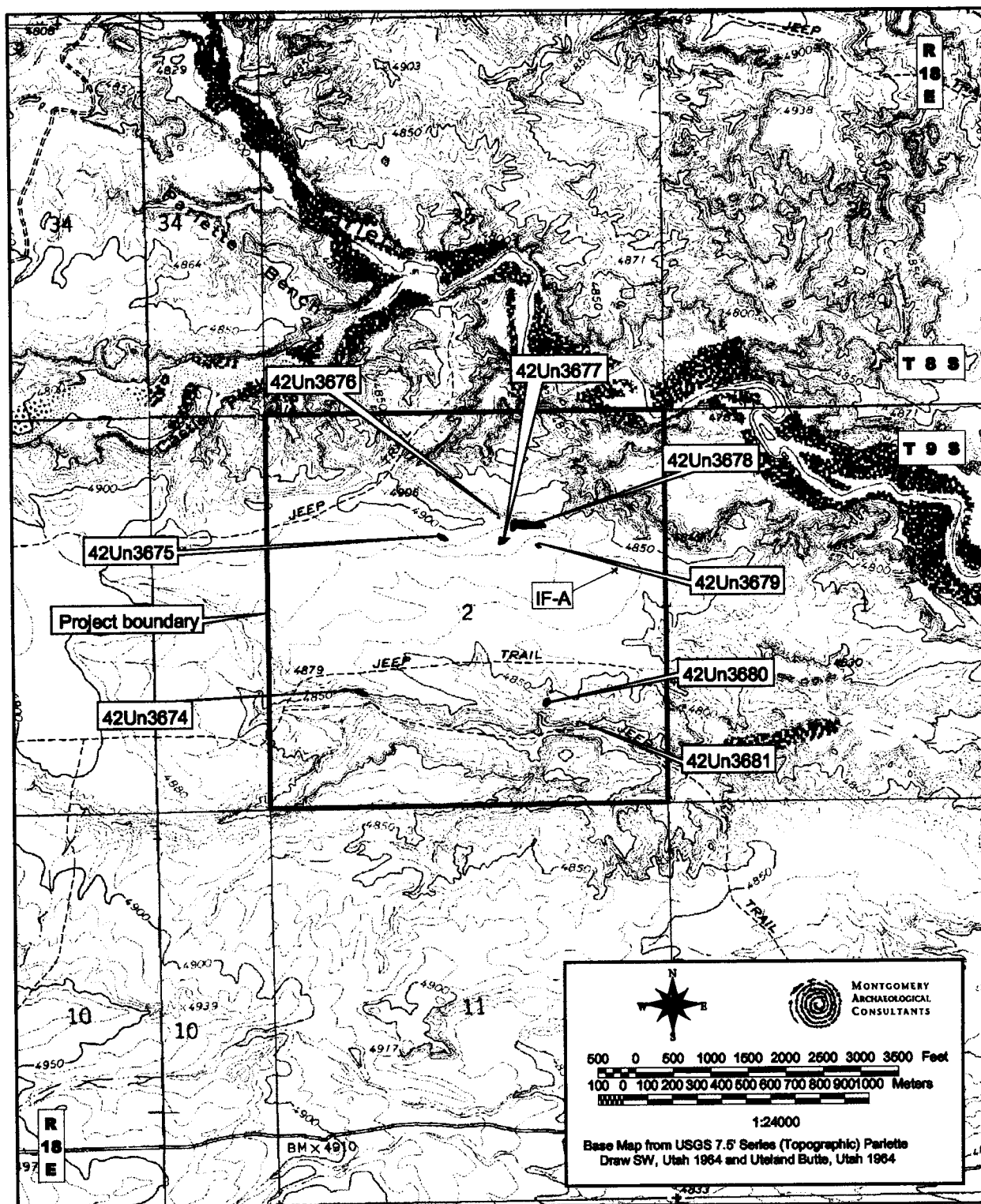


Figure 2. Inventory Area of Section 2, Township 9S, Range 18E on Eight Mile Flat for Inland Resources, Uintah County, Utah showing cultural resources.

Reed, and Chandler 1994:130). The Ute appear to have been hunters and gatherers who exploited various fauna and flora resources. According to macrobotanical and faunal data from dated components, deer, elk, pronghorn, bison, and small game were acquired (Reed 1994:191). Plant materials thought to have been exploited for food include goosefoot, grass seeds, pinyon nuts, juniper berries, squawbush berries and leaves, hackberry seeds and possibly saltbush seeds, knotweed, chokecherry, and chickweed (Reed 1994:191).

## SURVEY METHODOLOGY

An intensive pedestrian survey was performed for this project which is considered 100% coverage. The two parcels were examined for cultural resources by the archaeologists walking parallel transects spaced no more than 10 m (30 ft) apart. Ground visibility was considered good. A total of 1240 acres, including 640 acres in Section 16 and 600 acres in Section 2, was inventoried on lands administered by School and Institutional Trust Land Administration (SITLA).

Cultural resources were recorded either as archaeological sites or isolated finds of artifacts. Archaeological sites are defined as spatially definable areas with ten or more artifacts and/or features. Sites were documented by the archaeologists walking transects across the site, spaced no more than 3 m (10 ft) apart and marking the locations of cultural materials with pinflags. This procedure allowed clear definition of site boundaries and artifact concentrations. At the completion of the surface inspection, a Brunton compass was employed to point-provenience diagnostic artifacts and other relevant features in reference to the site datum, a steel rebar stamped with a temporary site number. Archaeological sites were plotted on a 7.5' USGS quadrangle, photographed, and documented with site data entered on an Intermountain Antiquities Computer System (IMACS, 1990 version) inventory form (Appendix A). Isolated finds were defined as individual artifacts or light scatters of items lacking sufficient material culture to warrant IMACS forms or to derive interpretation of human behavior in a cultural and temporal context. All isolated artifacts were plotted on a 7.5' USGS map and are described in this report.

## INVENTORY RESULTS

The inventory of T 9S, R 18E, Sections 2 and 16 on Eight Mile Flat for Inland Resources resulted in the identification of thirteen new archaeological sites (42Un3669 through 42Un3681) and one isolated find of artifact.

### Archaeological Sites

<u>Smithsonian Site No.:</u>	42Un3669
<u>Temporary Site No.:</u>	04-37-12
<u>Legal Description:</u>	T 9S, R 18E, Sec. 16 and 21
<u>Jurisdiction:</u>	SITLA
<u>NRHP Eligibility:</u>	Not Eligible

Description: This site is a historic temporary camp located at the top edge of a flat, broad ridge. The cultural materials at the site include glass, tin cans, a cartridge with the headstamp "30-30 WIN SuperSpeed, one battery bank with 30 'D' cells stuck together, one large battery core, one hay bail wire tie, one cast iron wood stove burner lid with a 7" diameter and the markings "GW 7R", and one metal frying pan handle. The glass consists of 69 fragments of selenium glass all representing different jars with 2" diameter screw on metal lids. Two of the jars contain trademarks: one jar has a Latchford Marble trademark on the base (1939-1957) and a diameter of 4" and the other jar had

The Archaic stage (ca. 8,000 B.P.-1,500 B.P.) is characterized by the dependence on a foraging subsistence, with peoples seasonally exploiting a wide spectrum of plant and animal species in different ecozones. The shift to an Archaic lifeway was marked by the appearance of new projectile point types, and the development of the atlatl, perhaps in response to a need to pursue smaller and faster game (Holmer 1986). In the Uinta Basin, evidence of Early Archaic presence is relatively sparse compared to the subsequent Middle and Late Archaic periods. Early Archaic (ca. 6000-3000 B.C.) sites in the Basin include sand dune sites and rockshelters primarily clustered in the lower White River drainage (Spangler 1995:373). Early Archaic projectile points recovered from Uinta Basin contexts include Pinto Series, Humboldt, Elko Series, Northern Side-notched, Hawken Side-notched, Sudden Side-notched and Rocker Base Side-notched points. Excavated sites in the area with Early Archaic components include Deluge Shelter in Dinosaur National Monument, and open campsites along the Green River and on the Diamond Mountain Plateau (Spangler 1995:374). The Middle Archaic (ca. 3000-500 B.C.) is characterized by improved climatic conditions and an increase in human population on the northern Colorado Plateau. Several stratified Middle Archaic sites have been excavated and dozens of sites have been documented in the Uinta Basin. Middle Archaic sites in the area reflect cultural influences from the Plains, although a Great Basin and/or northern Colorado Plateau influence is represented in the continuation of the Elko Series projectile points. Subsistence data from Middle Archaic components indicate gathering and processing of plants as well as faunal exploitation (e.g., mule deer, antelope, bighorn sheep, cottontail rabbit, muskrat, prairie dog, beaver and birds). The Late Archaic period (ca. 500 B.C.-A.D. 550) in the Uinta Basin is distinguished by the continuation of Elko Series projectile points with the addition of semi-subterranean residential structures at base camps. By about A.D. 100, maize horticulture and Rose Springs arrow points had been added to the Archaic lifeway. In the Uinta Basin, the earliest evidence of Late Archaic architecture occurs at the Cocklebur Wash Site (42Un1476) where a temporary structure, probably a brush shelter, yielded a date of 316 B.C. (Tucker 1986). The structure was probably associated with seasonal procurement of wild floral resources gathered along Cliff Creek.

The Formative stage (A.D. 500-1300) is recognized in the area as the Uinta Fremont as first defined by Marwitt (1970). This stage is characterized by a reliance upon domesticated corn and squash, increasing sedentism, and in its later periods, substantial habitation structures, pottery, and bow and arrow weapon technology. Based on the evidence from Caldwell Village, Boundary Village, Deluge Shelter, Mantles Cave and others, the temporal range of the Uinta Fremont appears to be from A.D. 650 to 950. This variant is characterized by shallow, saucer-shaped pithouse structures with randomly placed postholes and off-center firepits, some of which were adobe-rimmed. Traits considered unique or predominate to the Uinta Basin include calcite-tempered pottery, two-handled wide-mouth vessels, Utah type metates, the use of gilsonite for pottery repair, settlement on tops of buttes and large-shouldered bifaces (Shields 1970).

Archaeological evidence suggests that Numic peoples appeared in east-central Utah at approximately A.D. 1100 or shortly before the disappearance of Formative-stage peoples (Reed 1994). The archaeological remains of Numic-speaking Utes consist primarily of lithic scatters with low quantities of brown ware ceramics, rock art, and occasional wickiups. The brown ware ceramics appear to be the most reliable indicator of cultural affiliation, as Desert Side-notched and Cottonwood Triangular points were manufactured by other cultural groups beside the Ute (Horn,

a Glass Container's Corporation trademark (since 1945). The tin cans at the site include three sanitary cut around medium food cans; seven hole-in-top milk cans with ice pick or knife cut openings; two shirt pocket, hinged lid tobacco tins; and one removable lid with 12 nail holes punched in it. There is one Feature at the site consisting of 30 juniper wood chips and splinters in an area with a diameter of 10 meters. The site was most likely a camp used by sheep herders between 1939-1955.

Smithsonian Site No.: 42Un3670  
Temporary Site No.: 04-37-13  
Legal Description: T 9S, R 18E, Sec. 16  
Jurisdiction: SITLA  
NRHP Eligibility: Not Eligible

Description: This site is a historic temporary camp located on top of a broad flat ridge. The cultural materials at the site include one selenium glass jar with a threaded neck and the Alexander Kerr trademark on the base (since 1944); one internal friction tobacco tin (1960s); four external friction wire hinge tobacco tins (1910-1960); ten medium cut around sanitary cans; one tall cut around sanitary can with "Canco" embossed on it (1912-1921); ten knife tip cut hole-in-top milk cans with "Punch Here" embossed on them (1935-1945); two, one pound round key strip coffee cans; one, one quart oil can; one screw cap fluid can with a spout and "Canco" on the bottom (1912-1921); one pry out can lid with "Walter Baker's Breakfast Cocoa" on it; two key strip coffee can lids with "Regular Grind" embossed on them; one metal screw cap; and one sanitary can lid with "RCCanco St. Louis" on it. There are two features at the site that consist of wood piles with over one hundred juniper chips and splinters in each. The site represents a camp used by sheep herders or other ranchers in the area on multiple occasions between 1920 and 1960.

Smithsonian Site No.: 42Un3671  
Temporary Site No.: 04-37-11  
Legal Description: T 9S, R 18E, Sec. 16  
Jurisdiction: SITLA  
NRHP Eligibility: Not Eligible

Description: This site is a historic temporary camp located at the top edge of a low, broad ridge. The cultural materials at the site were found in two distinct loci. Locus A contained Feature A which consists of three wood chips, one rifle cartridge with "REM-UMC 25-35" on the headstamp (1911-1960), 14 sanitary food cans, eight hole-in-top milk cans, one spice can lid, one coffee can lid, one grease can, and one selenium medicine bottle with "DR. NUNN's Black Oil Healing Compound" embossed on the side and a finish that required a stopper or cork. Locus B contained Feature B which consists of six wood chips, two hay bail wire ties, two sanitary food cans, and two "Punch Here" hole-in-top milk cans (1935-1945). The site was most likely used by sheep herders on multiple occasions from 1920-1950.

Smithsonian Site No.: 42Un3672  
Temporary Site No.: 04-37-10  
Legal Description: T 9S, R 18E, Sec. 16  
Jurisdiction: SITLA  
NRHP Eligibility: Not Eligible

Description: This site is a temporary camp mixed with modern trash located on the crest of a broad, slightly rounded ridge. The cultural materials at the site include five hole-in-top milk cans with "Punch Here" embossed on the lid (1935-1945), ten medium cut-around sanitary food cans, and

modern trash and debris. There are five features at the site: Feature A is a pen or corral, Feature B is a wood pile, Feature C is a drill hole, Feature D is a brick/slag pile, and Feature E is a trash pile. The site dates from 1935 to the present based on the hole-in-top cans and modern trash. The historic aspect of the site was most likely used by sheep herders or other ranchers in the 1940s.

Smithsonian Site No.: 42Un3673  
Temporary Site No.: 04-37-09  
Legal Description: T 9S, R 18E, Sec. 16  
Jurisdiction: SITLA  
NRHP Eligibility: Not Eligible

Description: This site is a historic temporary camp located on a low rounded ridgetop in the Uinta Basin. Cultural materials include three knife punched hole-in-top milk cans, one key strip meat can, one broken selenium glass jar with a Knox Glass Bottle Company of Parker trademark on the base (1930-1952) and a metal screw cap, and one wood pile remnant with coal chunks. The feature of wood and coal probably represents the remains of a wood pile while the coal is left over from a stove. The site dates around 1930-1950 based on the glass maker's mark and was most likely used on one occasion by sheep herders or other ranchers in the area.

Smithsonian Site No.: 42Un3674  
Temporary Site No.: 04-37-01  
Legal Description: T 9S, R 18E, Sec. 2  
Jurisdiction: SITLA  
NRHP Eligibility: Eligible, Criterion D

Description: This site is a prehistoric temporary camp located on a sandstone shelf ledge that rises 1-2 meters with three rock alcoves/overhangs that could be possible shelters. There are four tools at the site. Tool 1 is a possible single-handed mano manufactured from coarse-grained brown quartzite measuring 15 cm long, 8 cm wide, and 5 cm thick. This mano exhibits 2-5% polish on the convex face and has five margins. Tool 2 is a single-handed mano with eight margins manufactured from reddish brown coarse-grained quartzite measuring 13 cm long, 9 cm wide, and 6 cm thick. The mano has one ground and polished surface measuring 8 x 6 cm and one lateral, natural fracture. The distal end of the cobble exhibits minimal to moderate wear on a 2 x 2 cm flat surface. Tool 3 is a single-handed mano with nine margins manufactured from brown, medium-grained quartzite. There is one grinding surface with minimal use wear that measures 6 x 6 cm on the convex side of the cobble. Tool 4 is a cobble core of light tan-brown opaque chert that measures 8 cm long, 5 cm wide, and 2 cm thick. Ten flakes have been removed from the core and use wear is exhibited on one small edge. The site was most likely used as a temporary camp that can not be dated since no diagnostic artifacts were present. A modern beer bottle was found on the site indicating the possibility of vandalism.

Smithsonian Site No.: 42Un3675  
Temporary Site No.: 04-37-02  
Legal Description: T 9S, R 18E, Sec. 2  
Jurisdiction: SITLA  
NRHP Eligibility: Not Eligible

Description: This site is a prehistoric lithic scatter located on a gentle south slope of a low knoll. The cultural materials present at the site include ten pieces of debitage and one lithic tool. The

debitage includes mainly tertiary flakes with a few broken flakes, one primary flake, and one secondary flake. Material types include grey-pink opaque chert, mottled grey-tan-pink opaque chert, mottled tan-brown opaque chert, brown opaque chert, yellow-brown quartzite, and white quartzite. The lithic tool is a uniface manufactured from semi-translucent brown chert with pressure flaking on the dorsal side. There were no features present at the site.

Smithsonian Site No.: 42Un3676  
Temporary Site No.: 04-37-03  
Legal Description: T 9S, R 18E, Sec. 2  
Jurisdiction: SITLA  
NRHP Eligibility: Not Eligible

Description: This site is composed of two cairns located on top of a low, long, flat ridge. A collapsed/tipped cairn is located on the east end and a standing cairn is visible at the west end of this same ridge approximately 1/8th of a mile away. The collapsed cairn appears to have been approximately 35 slabs high (4-5 feet) and constructed from local flat sandstone irregular slabs. The slabs measure between 1-2" thick, 6-18" wide, and 24-30" long. There is no discernible placement pattern and the cairn has collapsed to the west off the base location. The standing cairn is 4-5 feet tall and visible at the west end of the ridgeline. There are no associated artifacts at the site.

Smithsonian Site No.: 42Un3677  
Temporary Site No.: 04-37-04  
Legal Description: T 9S, R 18E, Sec. 2  
Jurisdiction: SITLA  
NRHP Eligibility: Not Eligible

Description: This site is a lithic scatter located along the base of a low ridge or knoll. The cultural materials at the site include 15 pieces ofdebitage and two lithic tools. The tools consist of a Stage 1 biface manufactured from grey-pink opaque chert and a bifacial core of grey-pink opaque chert. Thedebitage at the site consists mainly of primary and secondary flakes with one tertiary flake and no shatter. Material types include grey-pink opaque chert, tan opaque chert, tan-brown mottled opaque chert, grey quartzite, and cream quartzite. There were no diagnostic artifacts or features at the site which was mostly likely used as a brief lithic reduction locality.

Smithsonian Site No.: 42Un3678  
Temporary Site No.: 04-37-05  
Legal Description: T 9S, R 18E, Sec. 2  
Jurisdiction: SITLA  
NRHP Eligibility: Eligible, Criterion D

Description: This site is an Archaic temporary camp located on a slickrock and sand ridgetop. A bedrock natural water pocket in the slickrock is present, measuring 1.5 m long, 1 m wide, and 0.2 m deep. Cultural materials at the site include nine lithic tools, including two pieces of ground stone, and 20 pieces ofdebitage. Thedebitage includes mainly secondary and tertiary flakes with a few pieces of shatter and primary flakes. Material types include tan opaque chert, tan-brown mottled opaque chert, white-pink mottled opaque chert, cream opaque chert, yellow-orange quartzite, butterscotch quartzite, and cream quartzite. The tools at the site include three small cores of pink-grey opaque chert; one utilized flake with use wear on one bifacial edge; one slab grinding stone with a ground area on one side; one unknown hand stone with battering on one end and possible grinding on one face; one Elko Corner-notched projectile point base of salmon semi-translucent chert; one large side scraper with minimal use wear on one bifacial margin; and one early stage

biface of pink-grey opaque chert with a fracture on the distal end. There were no features present at the site. The Elko projectile point dates to the Archaic period and the site most likely represents a brief camp or lithic reduction locality. A modern beer can was found on the site indicating the possibility of vandalism.

Smithsonian Site No.: 42Un3679  
Temporary Site No.: 04-37-06  
Legal Description: T 9S, R 18E, Sec. 2  
Jurisdiction: SITLA  
NRHP Eligibility: Eligible, Criterion D

Description: This site is a prehistoric lithic scatter located in a slight depression and ephemeral wash in the Uinta Basin. The cultural materials at the site include 15 pieces of debitage and two lithic tools. The debitage consists of mainly secondary flakes with a few tertiary and primary flakes. Material types include tan-brown mottled opaque chert, tan opaque chert, orange semi-translucent chert, cream opaque chert, salmon quartzite, white-pink mottled opaque chert, grey opaque chert, grey quartzite, and brown opaque chert. The tools at the site include a core manufactured from a cream quartzite cobble with four flake scars and a utilized flake manufactured from a grey opaque chert secondary flake with use wear exhibited on one margin. There are no features present at the site. The site can not be dated since no diagnostic materials were found.

Smithsonian Site No.: 42Un3680  
Temporary Site No.: 04-37-07  
Legal Description: T 9S, R 18E, Sec. 2  
Jurisdiction: SITLA  
NRHP Eligibility: Eligible, Criterion D

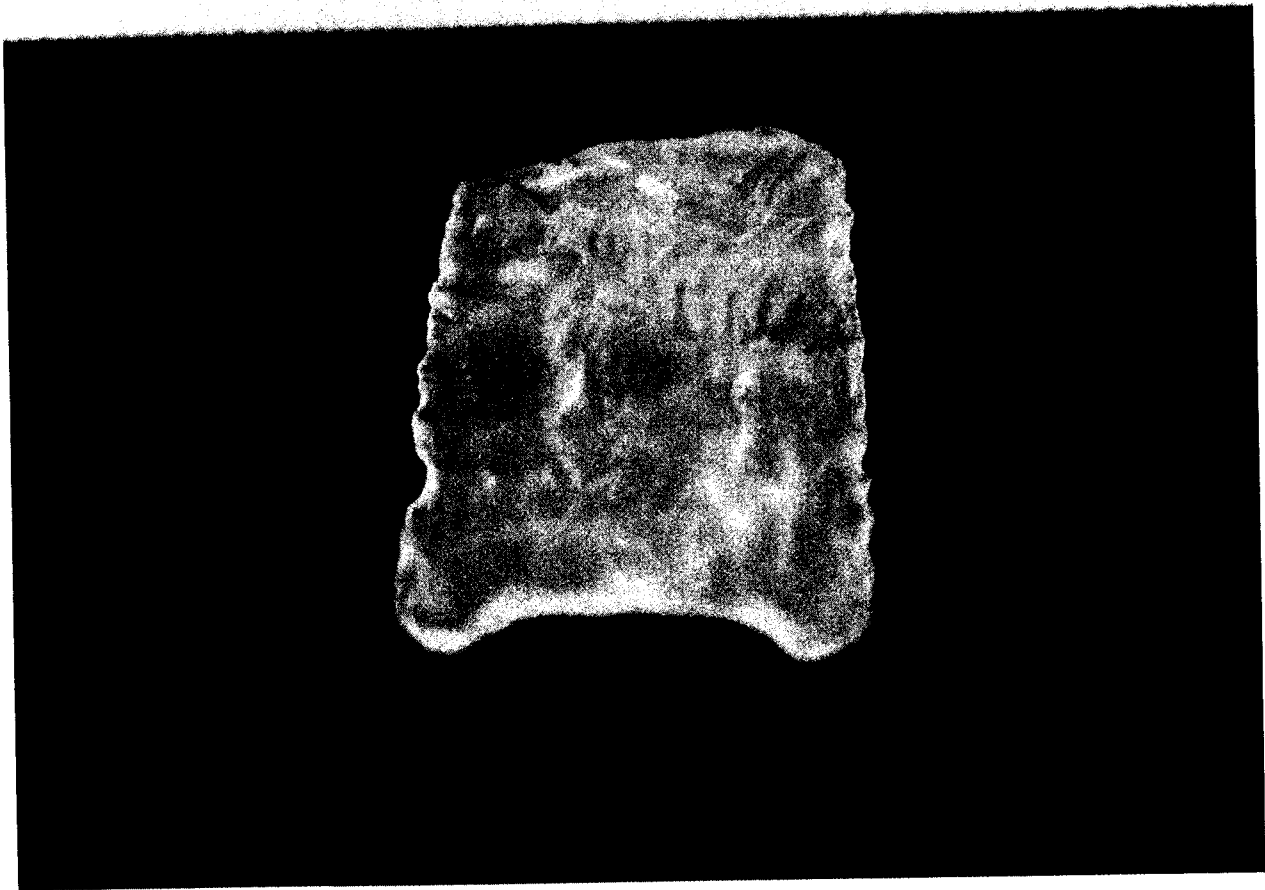
Description: This site is a prehistoric temporary camp located at the top edge of a ridge overlooking a large draw. Cultural materials at the site include one lithic tool, three pieces of debitage, and a fire-cracked rock concentration. The tool at the site is a butterscotch quartzite bifacial core with numerous flake scars and 5% cortex remaining. The debitage includes two secondary flakes and one tertiary flake. Material types are cream opaque chert and tan-brown mottled opaque chert. Feature A consists of 12 reddened quartzite cobbles in a circular area with a diameter of 2 meters. Another ten reddened and cracked quartzite cobbles and fragments are located within 5 meters down slope and across the slope of the concentration. No charcoal or soil staining was noted. The site was mostly likely used as a brief temporary camp and lithic reduction locality that can not be dated since no diagnostic artifacts were observed.

Smithsonian Site No.: 42Un3681  
Temporary Site No.: 04-37-08  
Legal Description: T 9S, R 18E, Sec. 2  
Jurisdiction: SITLA  
NRHP Eligibility: Eligible, Criterion C and D

Description: This site is a rock art site consisting of two petroglyph panels on large detached canyon wall bedrock boulders. Panel (Feature) A faces west on a sandstone boulder and consists of several anthropomorphic and zoomorphic figures as well as a few geometric designs. The panel is faded since it was subject to weathering. Panel (Feature) B consists of two of more figures on a boulder. One of the petroglyphs is a possible snake figure and the other an anthropomorph, but it is hard to distinguish the figures since the panel is faded due to weathering. There were no associated artifacts at the site.

### Isolated Find of Artifact

Isolated Find A (IF-A) is located in the SW/SE/NE of Section 2, T9S, R18E; UTM 597807E/4434899N. It is situated on a gentle ridge slope southeast of Pariette Draw, a major semi-permanent drainage. The deposition environment is a stable residual soil with a veneer of small rocks. This isolated find appears to be the base of a plano-type projectile point. It exhibits a broad concave base with rounded tangs and parallel sides. It is broken near the midsection and exhibits diagonal flake removal as well as margin retouch. The point is very similar to lanceolate points classified as Angostura Points dating ca. 9,000 to 7,000 B.P. The artifact is manufactured from a semitranslucent white chert. Measurements: L=2.5 cm (IC), W=2.0 cm, T=0.25cm.



Isolated Find A. Late Paleoindian Angostura Type Point.



## NATIONAL REGISTER OF HISTORIC PLACES EVALUATION

The National Register Criteria for Evaluation of Significance and procedures for nominating cultural resources to the National Register of Historic Places (NRHP) are outlined in 36 CFR 60.4 as follows:

The quality of significance in American history, architecture, archaeology, and culture is present in districts, sites, buildings, structures, and objects of State and local importance that possess integrity of location, design, setting, material, workmanship, feeling, and association, and that they:

- a)...are associated with events that have made a significant contribution to the broad patterns of our history; or
- b)...are associated with the lives of persons significant to our past; or
- c)...embody the distinctive characteristics of a type, period, or method of construction; or that represents the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction; or
- d)...have yielded or may be likely to yield information important in prehistory or history.

The inventory of T 9S, R 18E, Sections 2 and 16 on Eight Mile Flat for Inland Resources resulted in the documentation of thirteen new archaeological sites (42Un3669 through 42Un3681). Five of the sites (42Un3674, 42Un3678, 42Un3679, 42Un3680, and 42Un3681) are recommended as eligible to the NRHP (see Table 1). These consist of three prehistoric temporary camps (42Un3674, 42Un3678, and 42Un3680), a lithic scatter (42Un3679), and a rock art site (42Un3681). The prehistoric camps and lithic scatter are deemed eligible to the NRHP under Criterion D due to their potential to yield additional information on the prehistory of the area. One of the sites (42Un3674) contains three single-hand manos and a core, all located near overhangs that are potential rock shelters. Colluvial deposits cover the site area, and could obscure the presence of additional cultural materials. Another prehistoric temporary camp (42Un3680) contains a core, several flakes, and a fire-cracked rock concentration. Aeolian soils covering the site area could obscure the presence of additional cultural materials. Site 42Un3678 contains lithic debitage and nine tools, including an Elko Corner-notched projectile point base. The lithic scatter (42Un3679) contains 15 pieces of lithic debitage of a variety of material types, a core, and a utilized flake. It is located near an ephemeral wash, and alluvial soils in the area suggest the potential for buried cultural materials. The rock art site (42Un3681) is evaluated as eligible to the NRHP under Criteria C and D. It possesses high artistic values as it is one of the few rock art sites that have been identified in the immediate area, and has potential to yield information important to the prehistory of the area.

Eight of the sites are evaluated as not eligible to the NRHP (Table 1). The prehistoric site types include two lithic scatters (42Un3675 and 42Un3677). These sites lack temporal indicators and spatial patterning and occur on sediments that are unlikely to yield buried cultural materials. The remainder of the sites evaluated as not eligible to the NRHP include five historic temporary camps (42Un3669 through 42Un3673) and a site containing two cairns (42Un3676). These sites all possess a limited class of artifacts and little depth potential. They are common site types to the area, and are unlikely to contribute to the historic research domains of the area.

Table 1. Cultural Resources and NRHP Assessment

Site Number	Legal Description	Site Type	NRHP Assessment
42Un3669	T9S, R18E, S. 16 and 21	Historic Temporary Camp	Not Eligible
42Un3670	T9S, R18E, S. 16	Historic Temporary Camp	Not Eligible
42Un3671	T9S, R18E, S. 16	Historic Temporary Camp	Not Eligible
42Un3672	T 9S, R 18E, S. 16	Historic Temporary Camp	Not Eligible
42Un3673	T 9S, R 18E, S. 16	Historic Temporary Camp	Not Eligible
42Un3674	T 9S, R 18E, S. 2	Prehistoric Temporary Camp	Eligible, Criterion D
42Un3675	T 9S, R 18E, S. 2	Lithic Scatter	Not Eligible
42Un3676	T 9S, R 18E, S. 2	Cairns	Not Eligible
42Un3677	T 9S, R 18E, S. 2	Lithic Scatter	Not Eligible
42Un3678	T 9S, R 18E, S. 2	Prehistoric Temporary Camp	Eligible, Criterion D
42Un3679	T 9S, R 18E, S. 2	Lithic Scatter	Eligible, Criterion D
42Un3680	T 9S, R 18E, S. 2	Prehistoric Temporary Camp	Eligible, Criterion D
42Un3681	T 9S, R 18E, S. 2	Rock Art	Eligible, Criteria C & D

#### MANAGEMENT RECOMMENDATIONS

The inventory of T 9S, R 18E, Sections 2 and 16 on Eight Mile Flat for Inland Resources resulted in the identification of thirteen new archaeological sites (42Un3669 through 42Un3681). Five of the prehistoric sites (42Un3674, 42Un3678, 42Un3679, 42Un3680, and 42Un3681) are recommended as eligible to the NRHP under Criteria C and D. It is recommended that these sites be avoided by any future undertakings. Based on adherence to this recommendation, a determination of "no historic properties affected" pursuant to Section 106, CFR 800 is proposed for this project.

## REFERENCES CITED

- Christensen, D.  
1981 Archaeological Survey of the Bonanza-Castle Peak-Upalco Transmission Line, Bonanza Power Plant Project 1981, Nickens and Associates, Montrose, Colorado. Report No. U-81-NH-429.
- Copeland, J.M and R.E. Fike  
1998 Fluted Projectile Points in Utah. In *Utah Archaeology 1988*, Salt Lake City.
- Hauck, F.R.  
1984 Cultural Resource Evaluation of Two Proposed Well Locations in the Pariette Bench Locality of Uintah County, Utah, Archeological-Environmental Research Corporation, Bountiful, Utah. Report No. U-84-AF-0205b.
- Holmer, R.  
1986 Projectile Points of the Intermountain West. In *Anthropology of the Desert West: Essays in Honor of Jesse D. Jennings*, edited by Carol J. Condie and Don D. Fowler, pp. 89-116. *University of Utah Anthropological Papers* No. 110. Salt Lake City.
- Horn, J.C., A.D. Reed, and S.M. Chandler  
1994 Grand Resource Area Class I Cultural Resource Inventory. Alpine Archaeological Consultants, Inc. Montrose. Bureau of Land Management, Moab, Utah.
- Marwitt, J.P.  
1970 Median Village and Fremont Culture Regional Variation. *University of Utah Anthropological Papers* No. 95. Salt Lake City.
- Norman, V.G. and F.R. Hauck  
1979 Archaeological Survey of Three Proposed Drill Locations and Access Roads in the Eightmile Flat Locality, Uintah County, Utah. Archeological-Environmental Research Corporation, Bountiful, Utah. Report No. U-79-AF-0328b.
- Reed A.D.  
1994 The Numic Occupation of Western Colorado and Eastern Utah during the Prehistoric and Protohistoric Periods. In *Across the West: Human Population Movement and the Expansion of the Numa*, edited by D.B. Madsen and D. Rhode, pp. 188-199. University of Utah Press, Salt Lake City.
- Shields, W.F.  
1970 The Fremont Culture in the Uinta Basin. Paper presented at the Fremont Culture Symposium, 35<sup>th</sup> Annual Meeting of the Society for American Archaeology, Mexico City.
- Spangler, J.D.  
1995 Paradigms and Perspectives, A Class I Overview of Cultural Resources in the Uinta Basin and Tavaputs Plateau, Volume II. Uinta Research, Salt Lake City, Utah.

- Stokes, W.L.  
1986 *Geology of Utah*. Utah Museum of Natural History, University of Utah, Salt Lake City.
- Tucker, G.C. Jr.  
1986 Results of Archaeological Investigations Along the Chevron CO-2/PO-4 Pipelines in Northeastern Utah and Northwestern Colorado. Manuscript on file, Bureau of Land Management, Vernal, Utah.
- Wilson, A. And K.R. Montgomery  
2004a Cultural Resource Inventory of Inland Resources Block Survey on Eightmile Flat, Township 9 South, Range 18 East, Sections 17, 20, 21, in Uintah County, Utah. Montgomery Archaeological Consultants, Moab, Utah. Report No. U-04-MQ-800b.
- 2004b Cultural Resource Inventory of Inland Resources Block Survey on Eightmile Flat, Township 9 South, Range 18 East, Sections 9, 10, 11, 14, 15 and 23, Uintah County, Utah. Montgomery Archaeological Consultants, Moab, Utah. Report No. U-04-MQ-801b.

**APPENDIX A:  
INTERMOUNTAIN ANTIQUITIES COMPUTER SYSTEM (IMACS)  
SITE INVENTORY FORMS  
42Un3669 through 42Un3681**

**On File At:**

**Utah Division of State History  
Salt Lake City, Utah**

STATE OF UTAH

## 001 DIVISION OF OIL, GAS AND MINING

## APPLICATION FOR PERMIT TO DRILL, DEEPEN

1a. TYPE OF WORK **DRILL** ☒ **DEEPEN** ☐

1b. TYPE OF WELL

OIL ☒ GAS ☐ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☒

2. NAME OF OPERATOR

**Inland Production Company**

3. ADDRESS AND TELEPHONE NUMBER:

**Route #3 Box 3630, Myton, UT 84052****Phone: (435) 646-3721**

4. LOCATION OF WELL (FOOTAGE)

At Surface **NE/NE 502' FNL 769' FEL 597782X 40.06575**  
At proposed Producing Zone **4435475Y -109.85341**

5. LEASE DESIGNATION AND SERIAL NO.

**ML-48377**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

**N/A**

7. UNIT AGREEMENT NAME

**N/A**

8. FARM OR LEASE NAME

**N/A**

9. WELL NO.

**State #1-2-9-18**

10. FIELD AND POOL OR WILDCAT

**Eight Mile Flat**

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

**NE/NE****Sec. 2, T9S, R18E**

12. County

**Uintah**

13. STATE

**UT**

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

**Approximately 22.3 miles southeast of Myton, UT**

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)

**Approx 502' f/lse line**

16. NO. OF ACRES IN LEASE

**640.40**

17. NO. OF ACRES ASSIGNED TO THIS WELL

**Approx. 40**

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT.

**Approximately 1366'**

19. PROPOSED DEPTH

**6500'**

20. ROTARY OR CABLE TOOLS

**Rotary**

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

**4822' GL**

22. APPROX. DATE WORK WILL START\*

**4th Quarter 2004**

## 23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT/FOOT	SETTING DEPTH	QUANTITY OF CEMENT
<b>12 1/4</b>	<b>8 5/8</b>	<b>24#</b>	<b>290'</b>	<b>155 sx +/- 10%</b>
<b>7 7/8</b>	<b>5 1/2</b>	<b>15.5#</b>	<b>TD</b>	<b>275 sx lead followed by 450 sx tail</b>
				<b>See Detail Below</b>

DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give date on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

**\*The actual cement volumes will be calculated off of the open hole logs, plus 15% excess:****SURFACE PIPE** - 155 sx Class G Cement +/I 10%, w/ 2% CaCl<sub>2</sub> & 1/4#/sk Cello-flake  
Weight: 15.8 PPG YIELD: 1.17 Cu Ft/sk H<sub>2</sub>O Req: 5 gal/sk**LONG STRING** - Lead: Premium Lite II Cement + 3lbs/sk BA-90 + 3% KCl + .25 lbs/sk Cello Flake + 2 lbs/sk Kol Seal + 10% Bentonite + .5% Sodium Metasilicate  
Weight: 11.0 PPG YIELD: 3.43 Cu Ft/sk H<sub>2</sub>O Req: 21.04 gal/skTail: 50-50 Poz-Class G Cement + 3% KCl + .25 lbs/sk Cello Flake + 2% Bentonite + .3% Sodium Metasilicate  
Weight: 14.2 PPG YIELD: 1.59 Cu Ft/sk H<sub>2</sub>O Req: 7.88 gal/sk24. Name & Signature Mandie Crozier Title: Regulatory Specialist

Date:

7/20/04

(This space for State use only)

API Number Assigned:

43-047-35733

APPROVAL:

**Approved by the**  
**Utah Division of**  
**Oil, Gas and Mining**

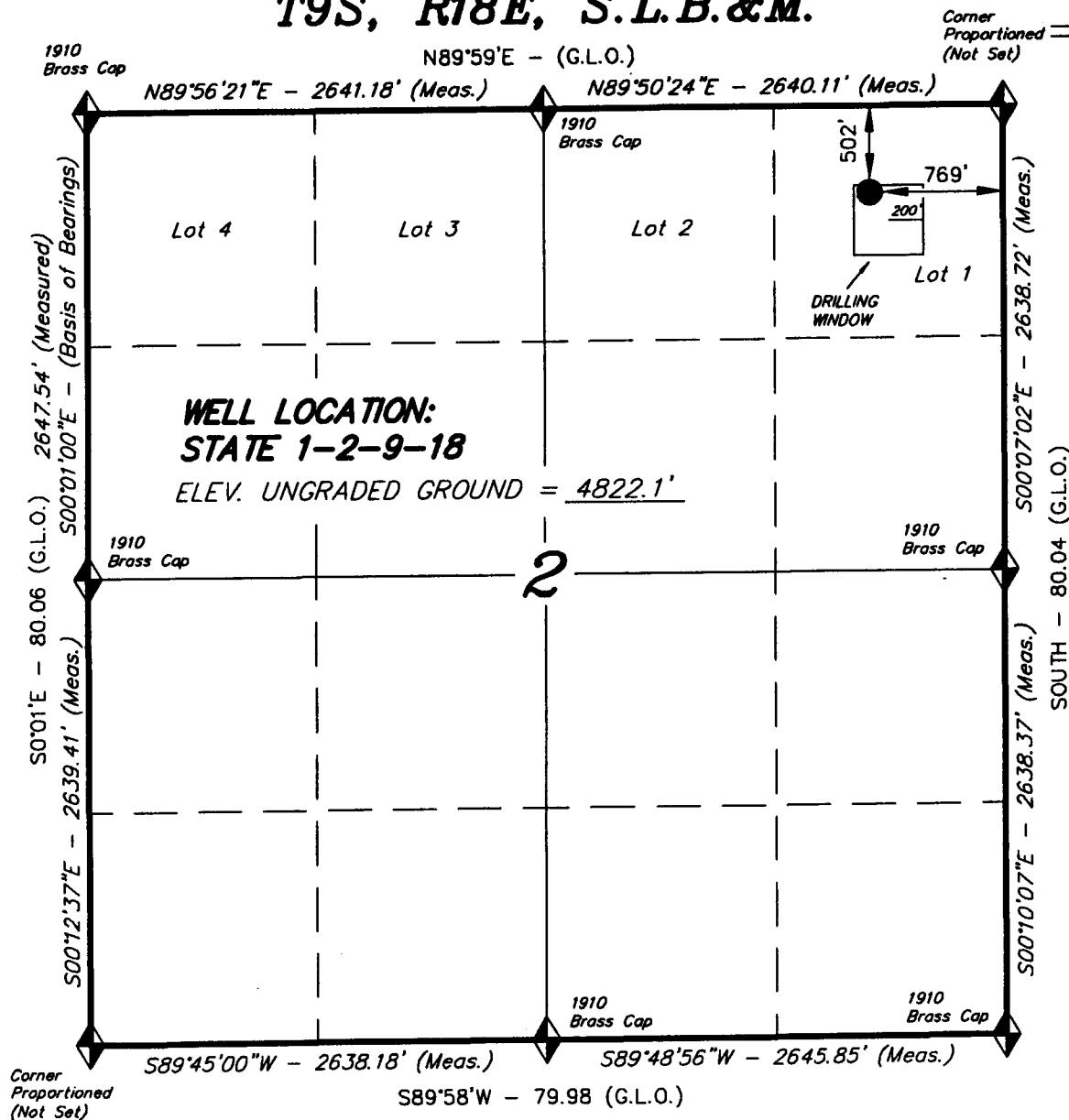
Date: 08-03-04  
By: [Signature]

**\*See Instructions On Reverse Side****RECEIVED****JUL 21 2004**

DIV. OF OIL, GAS &amp; MINING

**T9S, R18E, S.L.B.&M.**

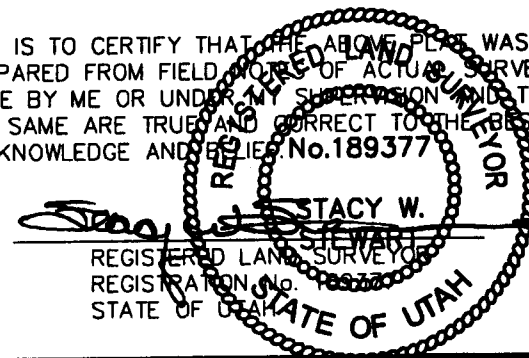
**INLAND PRODUCTION COMPANY**



WELL LOCATION, STATE 1-2-9-18,  
LOCATED AS SHOWN IN LOT 1 OF  
SECTION 2, T9S, R18E, S.L.B.&M. UTAH  
COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
MADE BY ME OR UNDER MY SUPERVISION AND THAT  
THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
MY KNOWLEDGE AND BELIEF No.189377



**TRI STATE LAND SURVEYING & CONSULTING**  
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
(435) 781-2501

SCALE: 1" = 1000'	SURVEYED BY: K.G.S.
DATE: 7-19-04	DRAWN BY: F.T.M.
NOTE:	FILE #

◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (UTELAND BUTTE)



July 20, 2004

State of Utah  
Division of Oil, Gas & Mining  
Attn: Diana Whitney  
1594 West North Temple - Suite 1210  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

RE: Amended Application for Permit to Drill, State #1-2-9-18.

Dear Diana:

Enclosed find the amended APD on the State #1-2-9-18. Since submission the proposed location was moved at the States request. There have been some topographic changes as well as changes to the access road and gas and water lines. The well location footages have changed to 502' FNL and 769' FEL. Distance from well to nearest property or lease line is approx. 502' f/lease line. The elevation is now 4822' GL. If you have any questions, feel free to give either Brad or myself a call.

Sincerely,

Mandie Crozier  
Regulatory Specialist

enclosures

RECEIVED

JUL 21 2004

DIV. OF OIL, GAS & MINING



**From:** Ed Bonner  
**To:** Whitney, Diana  
**Date:** 7/14/2004 10:34:16 AM  
**Subject:** Well Clearance

The following wells have been given cultural resource clearance by the Trust Lands Cultural Resources Group:

**Inland Production Company**

State 1-2-9-18  
State 2-2-9-18  
State 3-2-9-18  
State 4-2-9-18  
State 5-2-9-18  
State 6-2-9-18  
State 7-2-9-18  
State 8-2-9-18  
State 9-2-9-18  
State 10-2-9-18  
State 12-2-9-18  
State 13-2-9-18  
State 14-2-9-18  
State 15-2-9-18  
State 16-2-9-18

If you have any questions regarding this matter please give me a call.

**CC:** Garrison, LaVonne; Hill, Brad; Hunt, Gil

INLAND PRODUCTION COMPANY  
STATE #1-2-9-18  
NE/NE SECTION 2, T9S, R18E  
UINTAH COUNTY, UTAH

TEN POINT DRILLING PROGRAM

1. **GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

2. **ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

Uinta	0 – 1700'
Green River	1700'
Wasatch	6500'

3. **ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:**

Green River Formation 1700' – 6500' – Oil

4. **PROPOSED CASING PROGRAM:**

Surface Casing: 8-5/8" J-55 24# w/ST&C collars; set at 290' (New)  
Production Casing: 5-1/2" J-55, 15.5# w/LT&C collars; set at TD (New or used, inspected).

5. **MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:**

The operator's minimum specifications for pressure control equipment are as follows:

An 8" Double Ram Hydraulic unit with a closing unit will be utilized. Function test of BOP's will be check daily.

Refer to **Exhibit C** for a diagram of BOP equipment that will be used on this well.

6. **TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:**

The well will be drilled with air mist system to 3200', then from 3200' +/- to TD a fresh water/polymer system will be utilized. If necessary, to control formation fluids, the system will be weighted with the addition of bentonite gel, and if conditions warrant, barite. This fresh water system typically will contain Total Dissolved Solids (TDS) of less than 3000 PPM. Neither potassium chloride nor chromates will be utilized in the fluid system. The anticipated mud weight is 8.4 ppg and weighted as necessary for gas control.

**AIR DRILLING**

In the event that the proposed location is to be "Air Drilled", Inland requests a variance to regulations requiring a straight run blooie line. Inland proposes that the flowline will contain two (2) 90-degree turns. Inland also requests a variance to regulations requiring an automatic igniter or continuous pilot light on the blooie line. Inland requests authorization to ignite as needed, and the flowline at 80'.

Inland Production Company requests that the spark arrest, exhaust, or water cooled exhaust be waived under the Special Drilling Operations of Onshore Order #2.

**MUD PROGRAM**

Surface – 3200'  
3200' – TD'

**MUD TYPE**

fresh water or air/mist system  
fresh water system

From surface to  $\pm$  3200 feet will be drilled with either fresh water or an air/mist system, depending on the drilling contractor's preference. From about 3200 feet, or in the case of the air/mist system when hole conditions dictate, to TD, a fresh water system will be utilized. Clay inhibition and hole stability will be achieved with a KCL substitute additive. This fresh water system will typically contain Total Dissolved Solids (TDS) of less than 3000 PPM. Anticipated mud weight is 8.4 lbs/gal. If necessary to control formation fluids or pressure, the system will be weighted with the addition of bentonite gel, and if pressure conditions warrant, with barite. No chromate additives will be used in the mud system.

7. **AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Auxiliary safety equipment will be a Kelly Cock, bit float, and a TIW valve with drill pipe threads.

8. **TESTING, LOGGING AND CORING PROGRAMS:**

The logging program will consist of a Dual Induction, Gamma Ray and Caliper log from TD to base of surface casing @ 290' +/-, and a Compensated Neutron-Formation Density Log from TD to 3500' +/- . A cement bond log will be run from PBTD to cement top. No drill stem testing or coring is planned for this well.

9. **ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

The anticipated maximum bottom hole pressure is 2000 psi. It is not anticipated that abnormal temperatures will be encountered; or that any other abnormal hazards such as H<sub>2</sub>S will be encountered in this area.

10. **ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

It is anticipated that the drilling operations will commence the fourth quarter of 2004, and take approximately seven (7) days from spud to rig release.

INLAND PRODUCTION COMPANY  
STATE #1-2-9-18  
NE/NE SECTION 2, T9S, R18E  
UINTAH COUNTY, UTAH

THIRTEEN POINT SURFACE PROGRAM

1. EXISTING ROADS

See attached **Topographic Map "A"**

To reach Inland Production Company well location site State 1-2-9-18 located in the NE¼ NE¼ Section 2, T9S, R18E, S.L.B. & M., Uintah County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles ± to the junction of this highway and UT State Hwy 53; proceed southeasterly along Hwy 53 - 11.7 miles ± to it's junction with an existing road to the southeast; proceed southeasterly - 3.6 miles ± to it's junction with an existing road to the east; proceed northeasterly - 1.8 miles ± to it's junction with an existing road to the northeast; proceed northeasterly - 3.4 miles ± to it's junction with an existing road to the southeast; proceed southeasterly - 0.2 miles ± to it's junction with the beginning of the proposed access road; proceed northeasterly along the proposed access road 3,710' ± to the proposed well location.

The highways mentioned in the foregoing paragraph are bituminous surfaced roads to the point where Highway 216 exists to the South, thereafter the roads are constructed with existing materials and gravel. The highways are maintained by Utah State road crews. All other roads are maintained by County crews.

The aforementioned dirt oil field service roads and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing area they are located in and range from clays to a sandy-clay shale material.

The roads for access during the drilling, completion and production phase will be maintained at the standards required by the State of Utah, or other controlling agencies. This maintenance will consist of some minor grader work for smoothing road surfaces and for snow removal.

2. PLANNED ACCESS ROAD

Approximately 1,350' of access road is proposed. See attached **Topographic Map "B"**.

The proposed access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%.

There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road.

There are no fences encountered along this proposed road. There will be no new gates or cattle guards required.

All construction material for this access road will be borrowed material accumulated during construction of the access road.

3. **LOCATION OF EXISTING WELLS**

Refer to **EXHIBIT B**.

4. **LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

It is anticipated that this well will be a producing oil well.

There will not be a tank battery at this location. A Central Battery will be located at the proposed State 5-2-9-18 location.

The flow lines from this well will run along access roads leading to the Central Battery located at the proposed State 5-2-9-18 location. **See attached Topographic Map "D"**.

All permanent (on site for six (6) months or longer) structures, constructed or installed (including pumping units), will be painted Desert Tan. All facilities will be painted within six months of installation.

5. **LOCATION AND TYPE OF WATER SUPPLY**

Fresh water purchased from the Johnson Water District will be used for drilling. A temporary poly pipeline may be used for water transportation from our existing supply line from Johnson Water District, or trucked from Inland Production Company's injection facilities – **EXHIBIT A**.

There will be no water well drilled at this site.

6. **SOURCE OF CONSTRUCTION MATERIALS**

All construction material for this location shall be borrowed material accumulated during construction of the location site and access road.

A mineral material application is not required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

A small reserve pit (90' x 40' x 8' deep, or less) will be constructed from native soil and clay materials. The reserve pit will receive the processed drill cutting (wet sand, shale & rock) removed from the wellbore. Any drilling fluids, which do accumulate in the pit as a result of shale-shaker carryover, cleaning of the sand trap, etc., will be promptly reclaimed. All drilling fluids will be fresh water based, typically containing Total Dissolved Solids of less than 3000 PPM. No potassium chloride, chromates, trash, debris, nor any other substance deemed hazardous will be placed in this pit. Therefore, it is proposed that no synthetic liner be required in the reserve pit. However, if upon constructing the pit there is insufficient fine clay and silt present, a liner will be used for the purpose of reducing water loss through percolation.

Inland requests approval that a flare pit not be constructed or utilized on this location.

A portable toilet will be provided for human waste.

A trash basket will be provided for garbage (trash) and hauled away to an approved disposal site at the completion of the drilling activities.

Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Inland's secondary recovery project.

Water not meeting quality criteria, is disposed at Inland's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

8. **ANCILLARY FACILITIES:**

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. **WELL SITE LAYOUT:**

See attached Location Layout Sheet.

**Fencing Requirements**

All pits will be fenced according to the following minimum standards:

- a) A 39-inch net wire shall be used with at least one strand of barbed wire on top of the net.
- b) The net wire shall be no more than two (2) inches above the ground. The barbed wire shall be three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.
- c) Corner posts shall be centered and/or braced in such a manner to keep tight at all times
- d) Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than sixteen (16) feet.
- e) All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The reserve pit fencing will be on three (3) sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

10. **PLANS FOR RESTORATION OF SURFACE:**

a) **Producing Location**

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, material, trash and junk not required for production.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximated natural contours. Weather permitting, the reserve pit will be reclaimed within one hundred twenty (120) days from the date of well completion. Before any dirt work takes place, the reserve pit must have all fluids and hydrocarbons removed.

b) **Dry Hole Abandoned Location**

At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and the State of Utah will attach the appropriate surface rehabilitation conditions of approval.

11. **SURFACE OWNERSHIP:** State of Utah

12. **OTHER ADDITIONAL INFORMATION:**

- a) Inland Production Company is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, Inland is to immediately stop work that might further disturb such materials and contact the Authorized Officer.
- b) Inland Production will control noxious weeds along rights-of-way for roads, pipelines, well sites or other applicable facilities. On State administered land it is required that a Pesticide Use Proposal shall be submitted and given approval prior to the application of herbicides or other possible hazardous chemicals.
- c) Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on State Lands after the conclusion of drilling operations or at any other time without State authorization. However, if State authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities.

**The Archaeological Cultural Resource Survey for this area is attached.**

**Additional Surface Stipulations**

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws and regulations, Onshore Oil and Gas Orders, the approved plan of operations and any applicable Notice to Lessees. A copy of these conditions will be furnished to the field representative to ensure compliance.

**Hazardous Material Declaration**

Inland Production Company guarantees that during the drilling and completion of the State 1-2-9-18. Inland will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986. Inland also guarantees that during the drilling and completion of the State 1-2-9-18 Inland will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

A complete copy of the approved APD, if applicable, shall be on location during the construction of the location and drilling activities.

Inland Production Company or a contractor employed by Inland Production shall contact the State office at (801) 722-3417, 48 hours prior to construction activities.

The State office shall be notified upon site completion prior to moving on the drilling rig.

13. **LESSEE'S OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION:**

Representative

Name: Brad Mecham  
Address: Inland Production Company  
Route 3, Box 3630  
Myton, UT 84052  
Telephone: (435) 646-3721

Certification

Please be advised that INLAND RESOURCES, INC. is considered to be the operator of well #1-2-9-18, NE/NE Section 2, T9S, R18E, LEASE #ML-48377, Uintah County, Utah and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4471291.

I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Inland Resources, Inc. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of the 18 U.S.C. 1001 for the filing of a false statement.

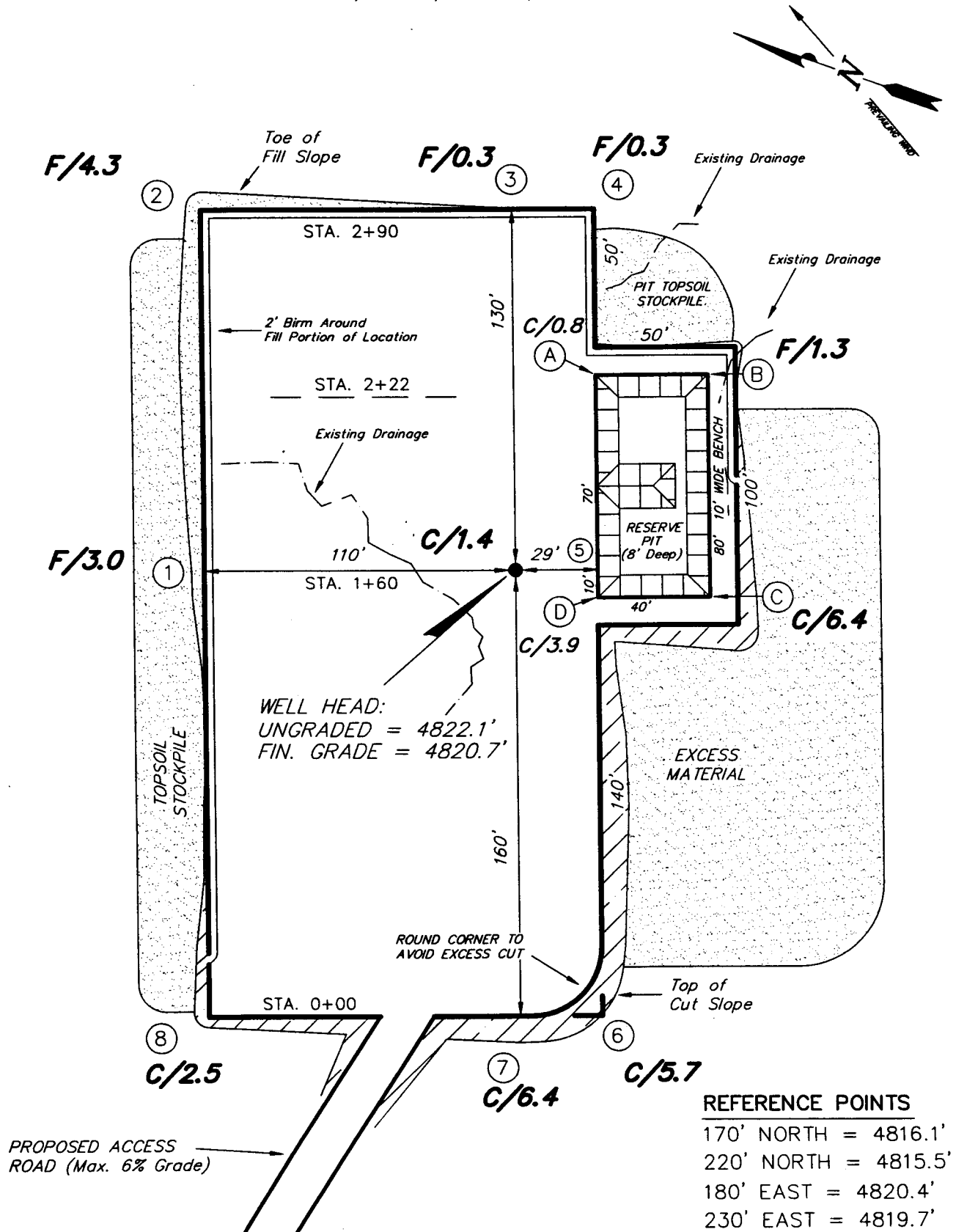
7/20/04  
Date

Mandie Crozier  
Mandie Crozier  
Regulatory Specialist  
Inland Production Company



# INLAND PRODUCTION COMPANY

STATE 1-2-9-18  
Section 2, T9S, R18E, S.L.B.&M.



SURVEYED BY: K.G.S. / D.J.S.

SCALE: 1" = 50'

DRAWN BY: F.T.M.

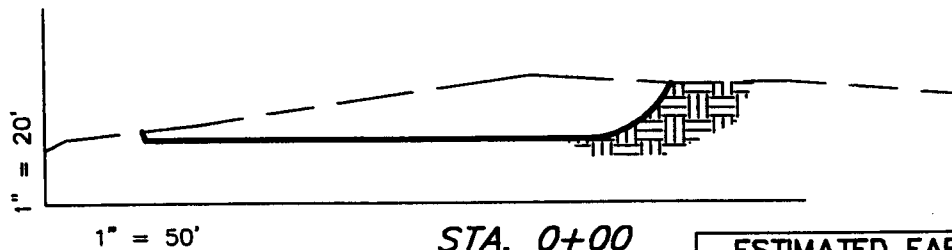
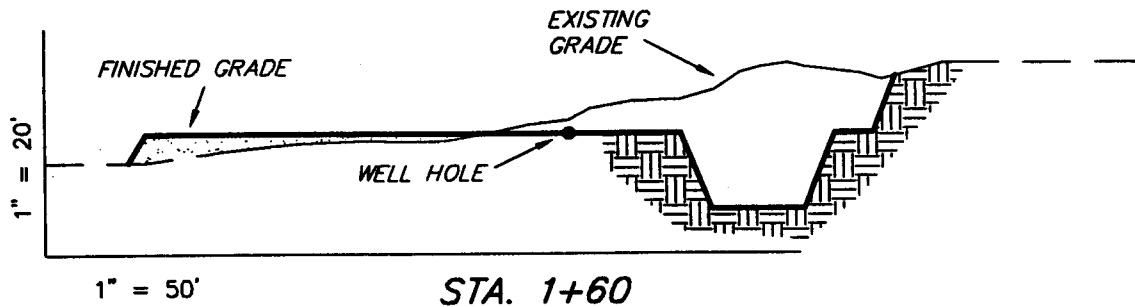
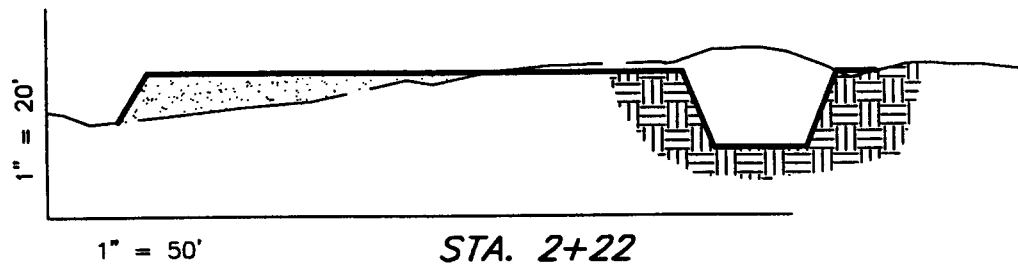
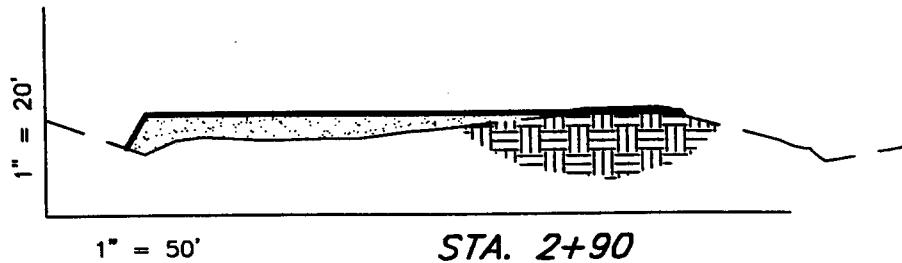
DATE: 7-19-04

**Tri State**  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078  
(435) 781-2501

# INLAND PRODUCTION COMPANY

## CROSS SECTIONS

### STATE 1-2-9-18



NOTE:  
UNLESS OTHERWISE NOTED  
CUT SLOPES ARE AT 1:1  
FILL SLOPES ARE AT 1.5:1

**ESTIMATED EARTHWORK QUANTITIES**  
(No Shrink or swell adjustments have been used)  
(Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	4,280	1,610	Topsoil is not included in Pad Cut	2,670
PIT	640	0		640
TOTALS	4,920	1,610	840	3,310

SURVEYED BY: K.G.S. / D.J.S.

SCALE: 1" = 50'

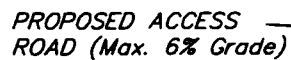
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DATE: 7-19-04

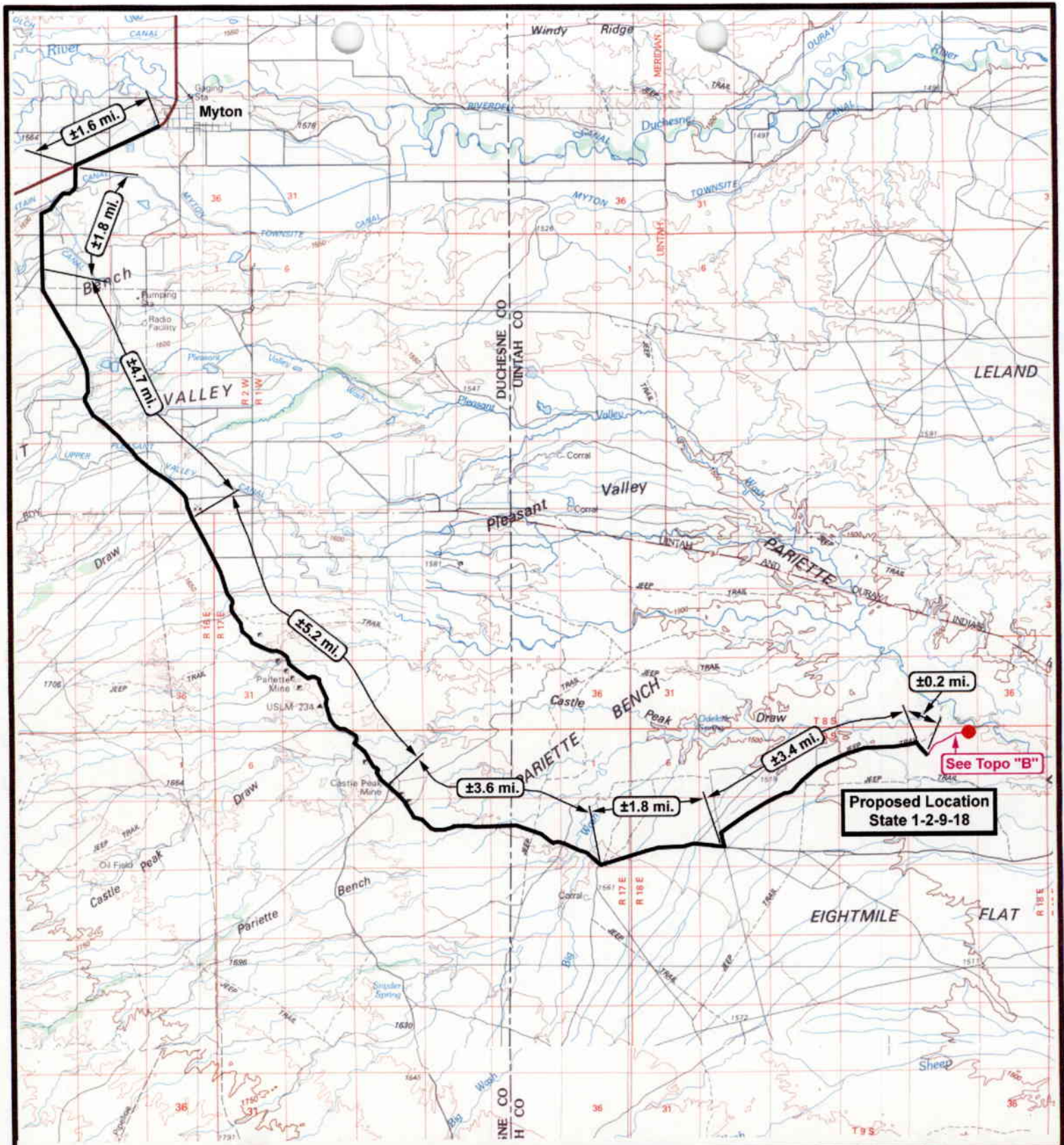
(435) 781-2501

**Tri State**  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

*STATE 1-2-9-18*



**Tri State** (435) 781-2501  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078



**State 1-2-9-18**  
**SEC. 2, T9S, R18E, S.L.B.&M.**



**Tri-State**  
**Land Surveying Inc.**  
 (435) 781-2501  
 180 North Vernal Ave. Vernal, Utah 84078

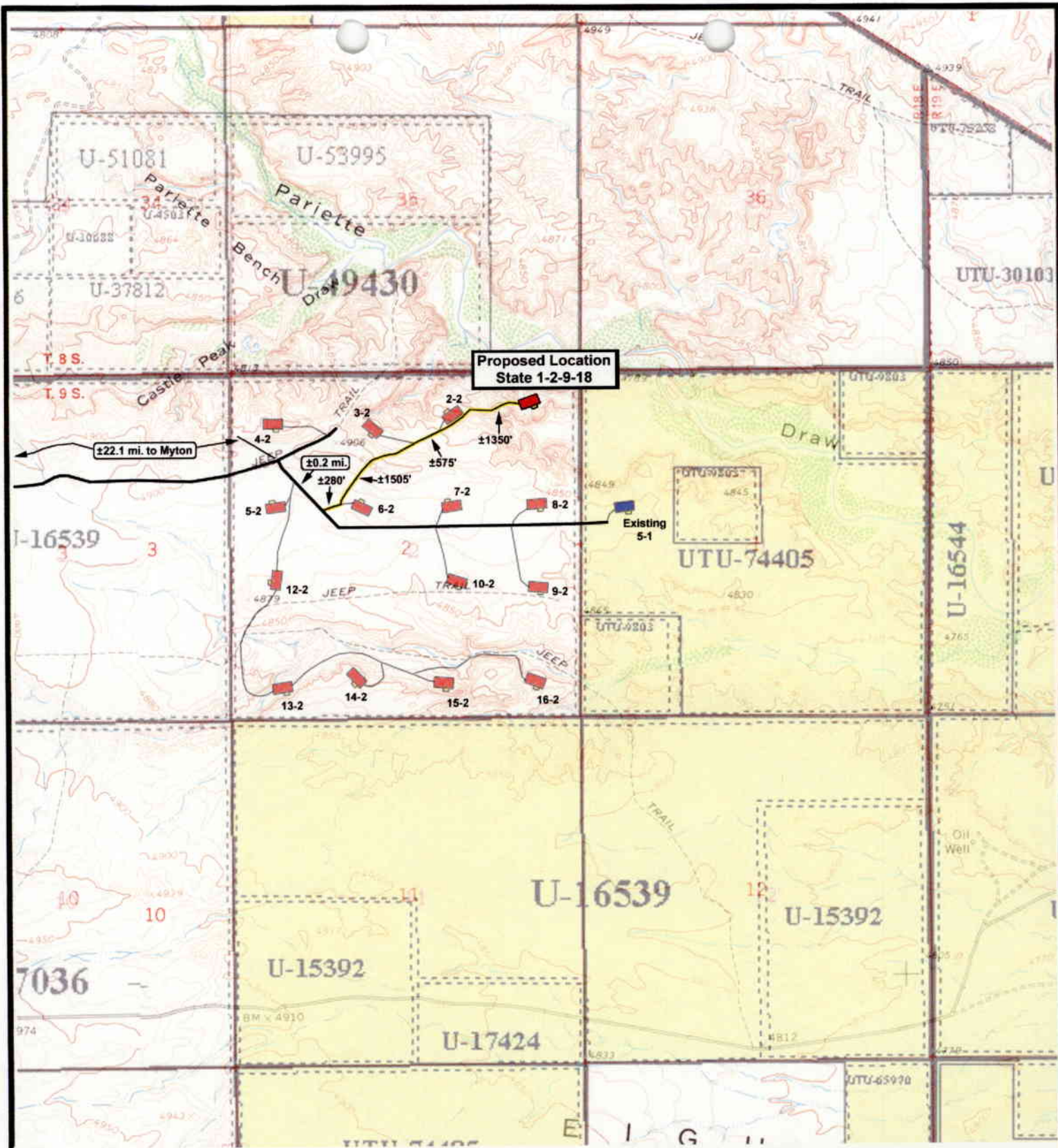
**SCALE: 1 = 120,000**  
**DRAWN BY: bgm**  
**DATE: 05-06-2004**

**Legend**  
 — Existing Road  
 — Proposed Access

**TOPOGRAPHIC MAP**

**"A"**





**State 1-2-9-18**  
**SEC. 2, T9S, R18E, S.L.B.&M.**



**Tri-State**  
*Land Surveying Inc.*  
 (435) 781-2501  
 180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'  
 DRAWN BY: bgm  
 DATE: 05-05-2004

**Legend**

Existing Road  
 Proposed Access

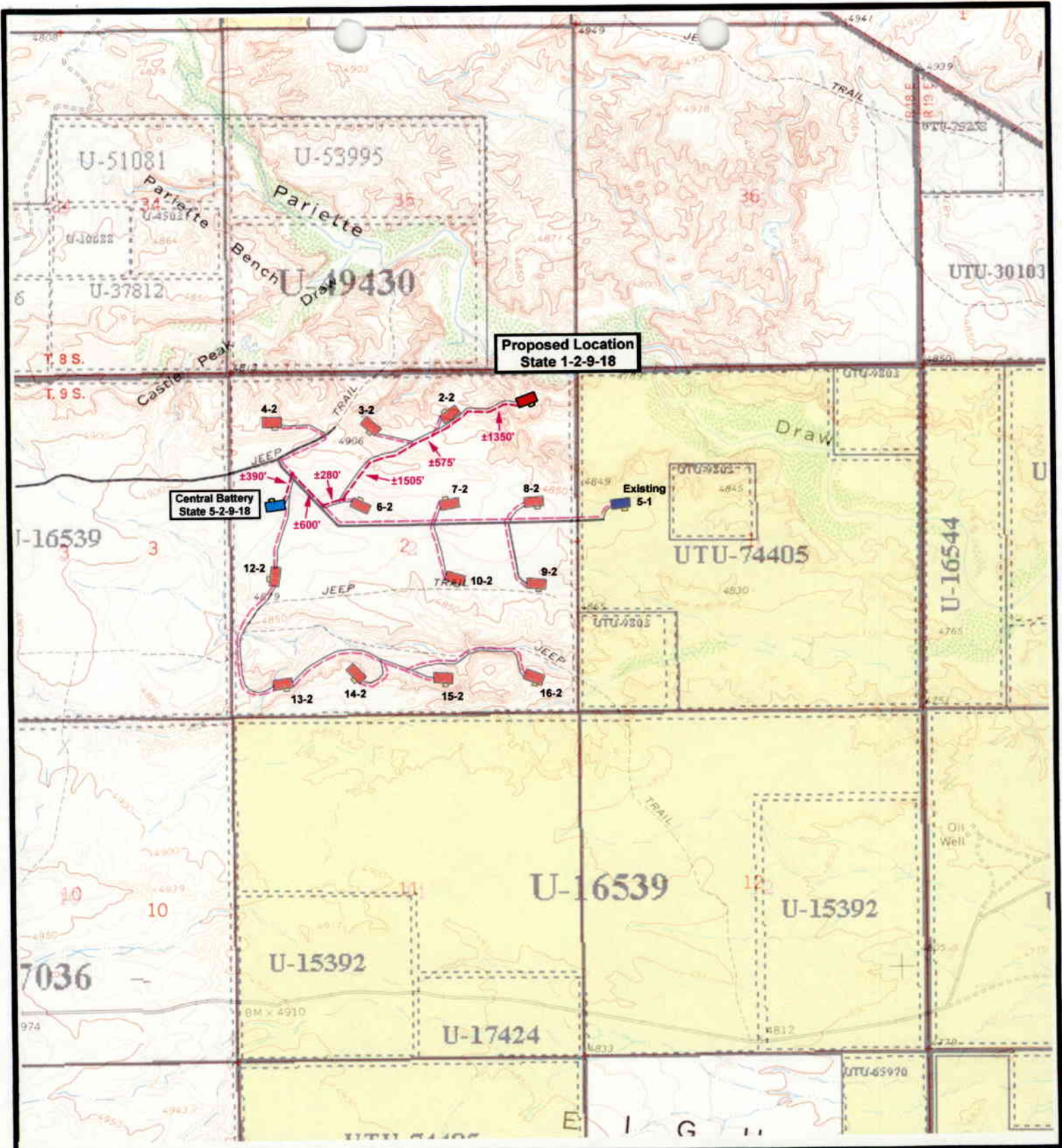
TOPOGRAPHIC MAP

**"B"**

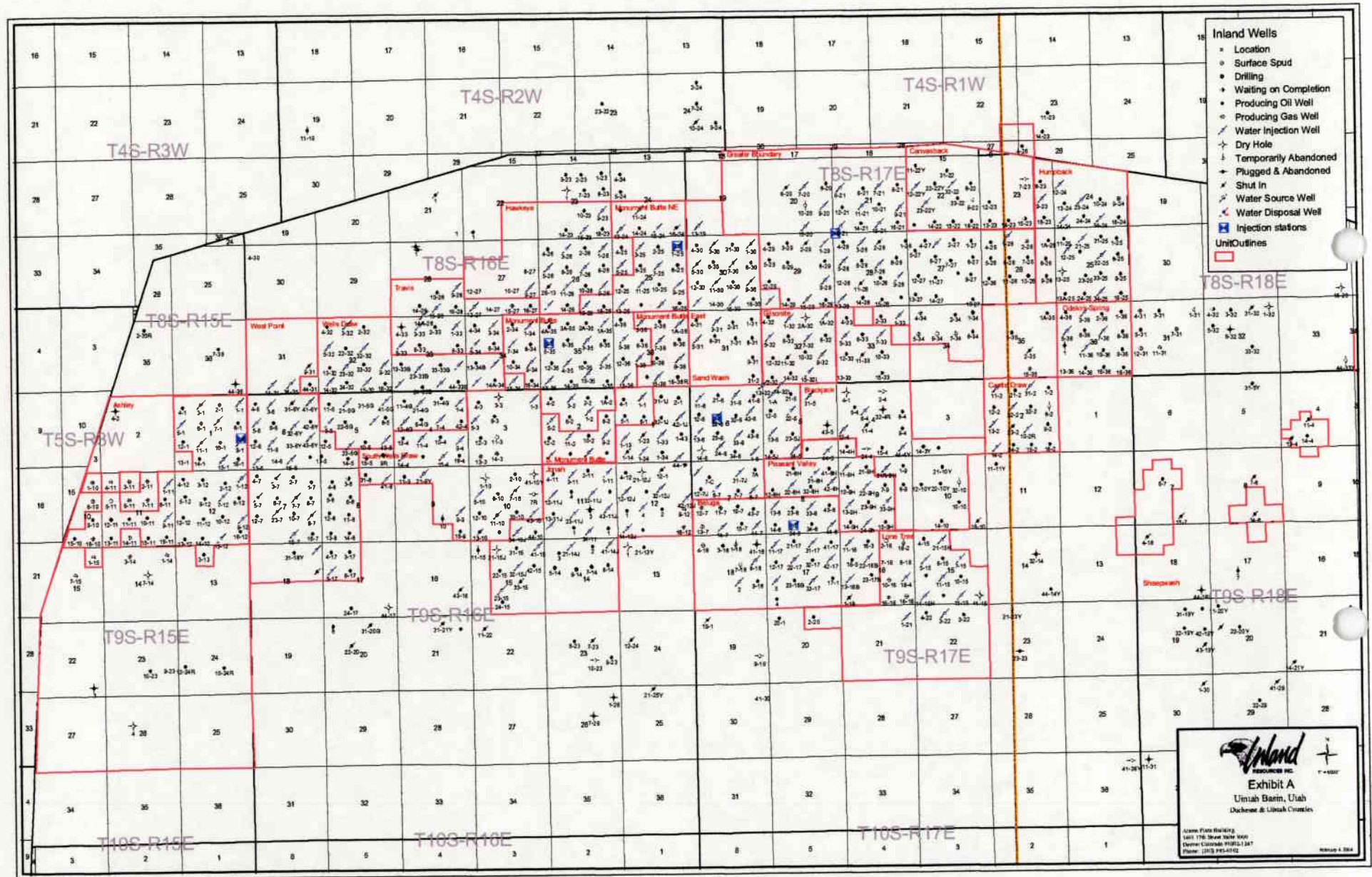




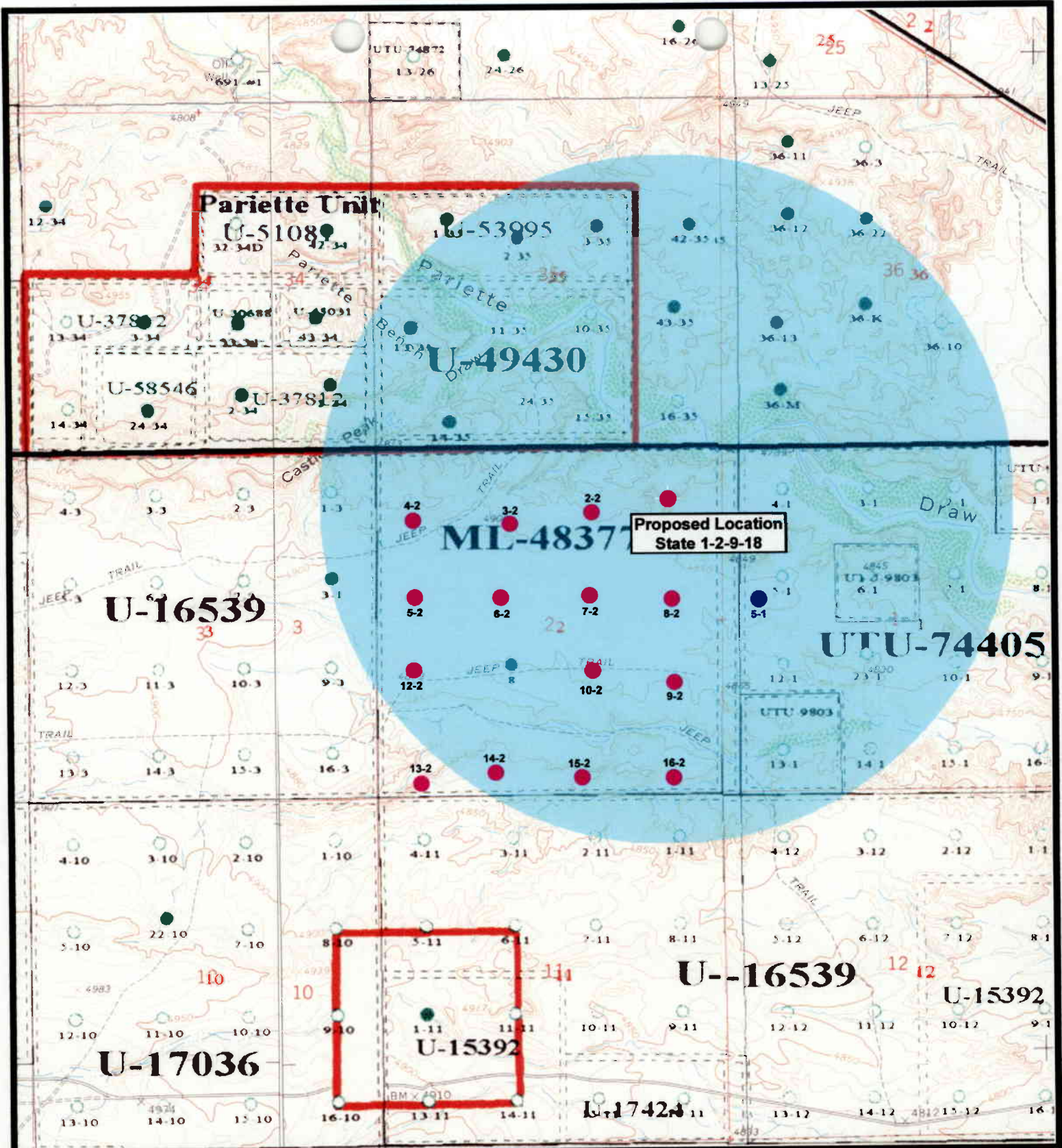












**State 1-2-9-18**  
**SEC. 2, T9S, R18E, S.L.B.&M.**



**Tri-State**  
*Land Surveying Inc.*  
 (435) 781-2501  
 180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'

DRAWN BY: bgm

DATE: 05-03-2004

**Legend**

- Proposed Location
- One-Mile Radius
- Existing Location

**Exhibit "B"**

## 2-M SYSTEM

Blowout Prevention Equipment Systems

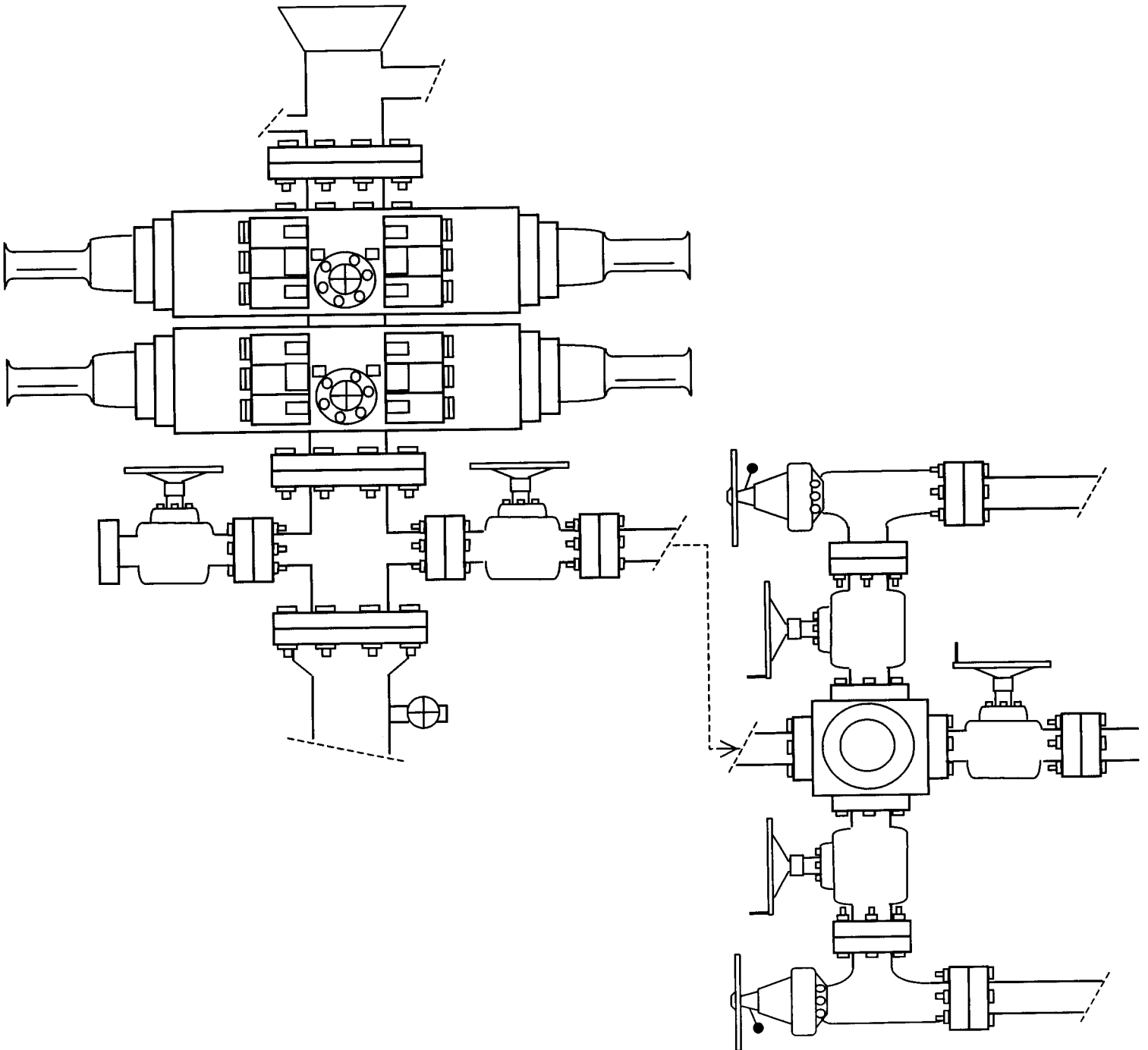


EXHIBIT C

003

**WORKSHEET**  
**APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 07/21/2004

API NO. ASSIGNED: 43-047-35773

WELL NAME: STATE 1-2-9-18

OPERATOR: INLAND PRODUCTION ( N5160 )

CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

## PROPOSED LOCATION:

NENE 02 090S 180E

SURFACE: 0502 FNL 0769 FEL

BOTTOM: 0502 FNL 0769 FEL

UINTAH

8 MILE FLAT NORTH ( 590 )

LEASE TYPE: 3 - State

LEASE NUMBER: ML-48377 *OK*

SURFACE OWNER: 3 - State

PROPOSED FORMATION: GRRV

COALBED METHANE WELL? NO

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering	<i>DWD</i>	<i>8/13/04</i>
Geology		
Surface		

LATITUDE: 40.06575

LONGITUDE: 109.85341

## RECEIVED AND/OR REVIEWED:

☒ Plat☒ Bond: Fed[] Ind[] Sta[3] Fee[](No. 34BSBC04369 *OK* ) *ER 8/23/04*☒ Potash (Y/N)☒ Oil Shale 190-5 (B) or 190-3 or 190-13☒ Water Permit

(No. JOHNSON )

☒ RDCC Review (Y/N)

(Date: )

☒ Fee Surf Agreement (Y/N)

## LOCATION AND SITING:

☐ R649-2-3.

Unit

☒ R649-3-2. General

Siting: 460 From Qtr/Qtr &amp; 920' Between Wells

☐ R649-3-3. Exception☐ Drilling Unit

Board Cause No:

Eff Date:

Siting:

☐ R649-3-11. Directional Drill

COMMENTS:

*Needs Permit (7-19-04)*

STIPULATIONS:

*1- Spacing Strip**2- Surface Cont Strip**3- STATEMENT OF BASIS*



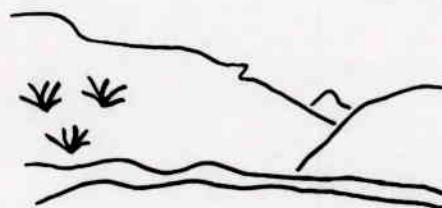
OPERATOR: INLAND PRODUCTION CO (N5160)

SEC. 2 T.9S R.18E

FIELD: EIGHT MILE FLAT NORTH (590)

COUNTY: UINTAH

SPACING: R649-3-2 / GENERAL SITING



Utah Oil Gas and Mining

#### Wells

- GAS INJECTION
- GAS STORAGE
- × LOCATION ABANDONED
- ⊕ NEW LOCATION
- ◇ PLUGGED & ABANDONED
- ⊙ PRODUCING GAS
- PRODUCING OIL
- ⊖ SHUT-IN GAS
- ⊙ SHUT-IN OIL
- × TEMP. ABANDONED
- ⊙ TEST WELL
- △ WATER INJECTION
- ⊙ WATER SUPPLY
- ⊙ WATER DISPOSAL

#### Units.shp

- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

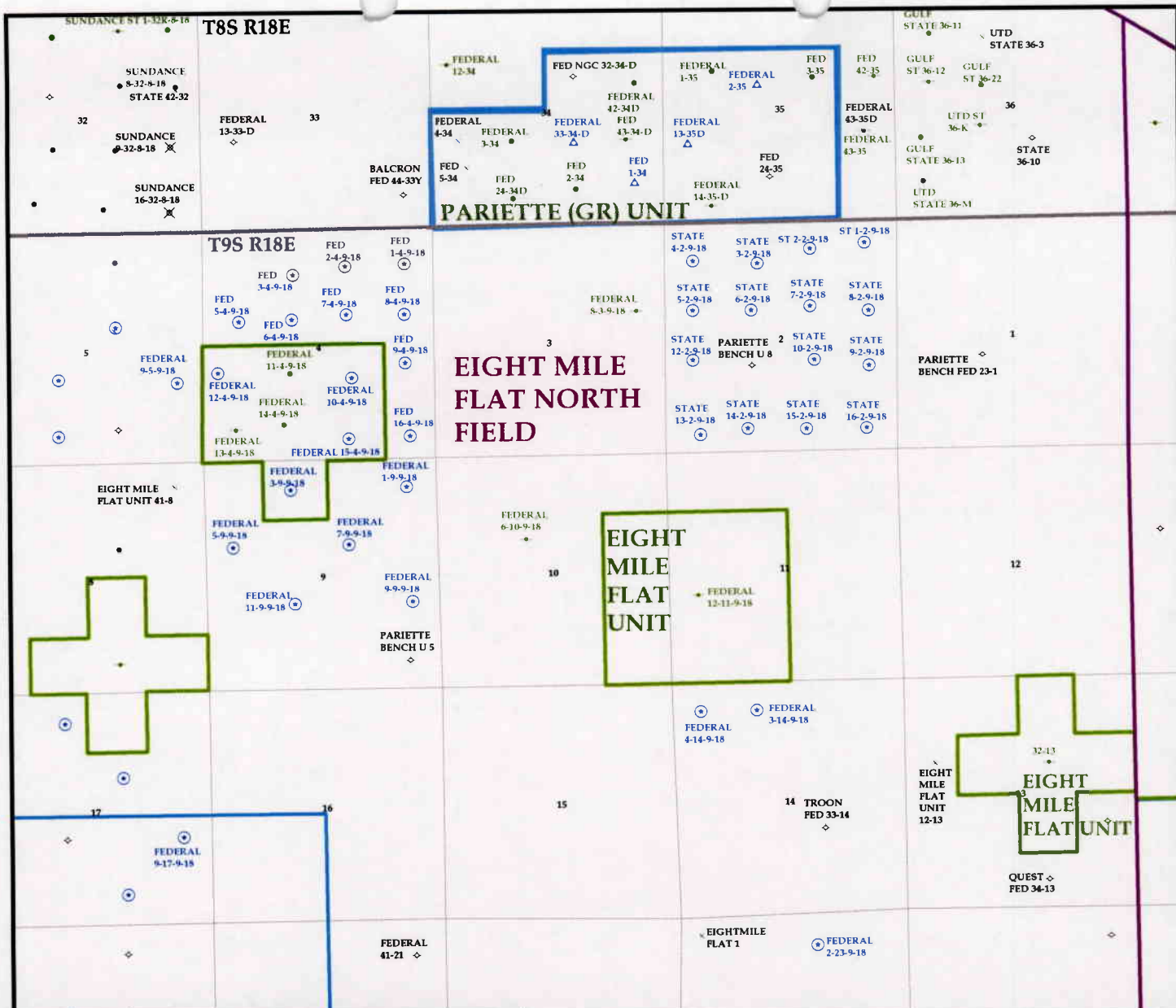
#### Fields.shp

- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED



PREPARED BY: DIANA WHITNEY  
DATE: 21-JULY-2004





OPERATOR: INLAND PRODUCTION CO (N5160)

SEC. 2 T.9S, R.18E

FIELD: EIGHT MILE FLAT NORTH (590)

COUNTY: UTAH

SPACING: R649-3-2 / GENERAL SITING

Well Status	
✱	GAS INJECTION
✱	GAS STORAGE
✱	LOCATION ABANDONED
⊕	NEW LOCATION
◇	PLUGGED & ABANDONED
✱	PRODUCING GAS
●	PRODUCING OIL
✱	SHUT-IN GAS
●	SHUT-IN OIL
✱	TEMP. ABANDONED
○	TEST WELL
△	WATER INJECTION
⊕	WATER SUPPLY
⊕	WATER DISPOSAL

Land Status	
□	Private Not Classed
□	Forest Service
□	BLM
□	State Lands
□	Native American
□	Private
□	Military
□	National Parks
□	State Parks
□	State Wilderness
□	National Recreation
□	US Wildlife
□	Wilderness
□	Bankhead Jones
□	Sovereign Lands
□	Water
□	Intermittent Water
□	Section Line
□	Township Boundary

Utah Oil Gas and Mining



PREPARED BY: DIANA WHITNEY  
DATE: 8-JUNE-2004

**DIVISION OF OIL, GAS AND MINING  
APPLICATION FOR PERMIT TO DRILL  
STATEMENT OF BASIS**

**OPERATOR:** INLAND PRODUCTION COMPANY  
**WELL NAME & NUMBER:** STATE 1-2-9-18  
**API NUMBER:** 43-047-35773  
**LOCATION:** 1/4, 1/4 NE/NE Sec: 2 TWP: 9S RNG: 18E 769' FEL 502' FNL

**Geology/Ground Water:**

Inland proposes to set 290' of surface casing at this location. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 200'. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the center of section 2. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. The proposed casing and cement program should adequately protect any useable ground water and nearby wells.

**Reviewer:** Brad Hill **Date:** 07/20/04

**Surface:**

The predrill investigation of the surface was performed on 7/19/04. A predrill investigation was done at this site on June 23, 2004. At this investigation Dennis Ingram with DOGM requested that the location be re-surveyed and moved so that the reserve pit would not be in the head of a sharp draw leading to Pariette Creek. Inland had the location moved approx. 30 feet. Floyd Bartlett with DWR and Ed Bonner with SITLA were invited to the original investigation. Mr. Bartlett was present. He presented Mr. Mecham with a DWR approved seed mix to be used when the reserve pit is reclaimed. This site appears to be the best site for a location in this qtr./qtr. There are numerous sandstone outcroppings at this site, and blasting will most likely be required to construct reserve pit and location.

**Reviewer:** David W. Hackford **Date:** 7/19/04

**Conditions of Approval/Application for Permit to Drill:**

1. A synthetic liner with a minimum thickness of 12 mils with a felt subliner shall be properly installed and maintained in the reserve pit.

**ON-SITE PREDRILL EVALUATION**  
**Division of Oil, Gas and Mining**

OPERATOR: INLAND PRODUCTION COMPANY  
WELL NAME & NUMBER: STATE 1-2-9-18  
API NUMBER: 43-047-35773  
LEASE: ML-48377 FIELD/UNIT: EIGHT MILE FLAT  
LOCATION: 1/4, 1/4 NE/NE Sec: 2 TWP: 9S RNG: 18E 769' FEL 502' FNL  
LEGAL WELL SITING: 460 F SEC. LINE; 460 F 1/4, 1/4 LINE; 460 F ANOTHER WELL.  
GPS COORD (UTM): 4435481N 12597786E SURFACE OWNER: STATE OF UTAH.

**PARTICIPANTS**

DAVID W. HACKFORD, (DOGM), BRAD MECHAM, (INLAND).

**REGIONAL/LOCAL SETTING & TOPOGRAPHY**

SITE IS ON TOP OF THE POINT OF A RUGGED, ROCKY RIDGE THAT RUNS WEST TO EAST. PARIETTE CREEK RUNS EAST THROUGH A DRAW 600' NORTH OF THIS SITE. THERE IS A DRAW WITH A DRY WATERCOURSE IN THE BOTTOM 500' TO THE SOUTH. THIS DRAW ENTERS PARIETTE CREEK 0.4 MILES TO THE EAST. MYTON, UTAH IS 22.3 MILES TO THE NORTHWEST.

**SURFACE USE PLAN**

CURRENT SURFACE USE: WILDLIFE AND LIVESTOCK GRAZING, HUNTING.

PROPOSED SURFACE DISTURBANCE: LOCATION WILL BE 290' BY 199'. ACCESS ROAD WILL BE 1360 FEET.

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: SEE ATTACHED MAP FROM GIS DATABASE.

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: THIS LOCATION WILL HAVE A PUMPJACK AND LINE HEATER. THE CENTRAL BATTERY WILL BE ON THE 5-2-9-18 LOCATION. PIPELINES WILL FOLLOW ACCESS ROAD.

SOURCE OF CONSTRUCTION MATERIAL: ALL CONSTRUCTION MATERIAL WILL BE BORROWED FROM SITE DURING CONSTRUCTION OF LOCATION.

ANCILLARY FACILITIES: NONE WILL BE REQUIRED.

**WASTE MANAGEMENT PLAN:**

DRILLED CUTTINGS WILL BE SETTLED INTO RESERVE PIT. LIQUIDS FROM PIT WILL BE ALLOWED TO EVAPORATE. FORMATION WATER WILL BE CONFINED TO STORAGE TANKS. SEWAGE FACILITIES, STORAGE AND DISPOSAL WILL BE HANDLED BY COMMERCIAL CONTRACTOR. TRASH WILL BE CONTAINED IN TRASH BASKETS AND HAULED TO AN APPROVED LAND FILL.

**ENVIRONMENTAL PARAMETERS**

AFFECTED FLOODPLAINS AND/OR WETLANDS: NONE

FLORA/FAUNA: GLOBE MALLOW, SHADSCALE, RUSSIAL THISTLE, RABBIT BRUSH, HORSEBRUSH, PRICKLY PEAR: DEER, SONGBIRDS, RODENTS, RABBITS, PRONGHORN, RAPTORS, PRAIRIE DOG.

SOIL TYPE AND CHARACTERISTICS: LIGHT BROWN SANDY CLAY.

EROSION/SEDIMENTATION/STABILITY: VERY LITTLE NATURAL EROSION. SEDIMENTATION AND STABILITY ARE NOT A PROBLEM AND LOCATION CONSTRUCTION SHOULDN'T CAUSE AN INCREASE IN STABILITY OR EROSION PROBLEMS.

PALEONTOLOGICAL POTENTIAL: NONE OBSERVED.

#### **RESERVE PIT**

CHARACTERISTICS: 40' BY 80' AND EIGHT FEET DEEP.

LINER REQUIREMENTS (Site Ranking Form attached): A LINER WITH A FELT SUB-LINER WILL BE REQUIRED FOR RESERVE PIT.

#### **SURFACE RESTORATION/RECLAMATION PLAN**

AS PER SITLA.

SURFACE AGREEMENT: AS PER SITLA.

CULTURAL RESOURCES/ARCHAEOLOGY: SITE WAS INSPECTED BY MONTGOMERY ARCHAEOLOGICAL CONSULTANTS. A COPY OF THIS REPORT WILL BE SUBMITTED TO THE STATE OF UTAH.

#### **OTHER OBSERVATIONS/COMMENTS**

THIS PREDRILL INVESTIGATION WAS CONDUCTED ON A HOT, SUNNY DAY.

#### **ATTACHMENTS**

PHOTOS OF THIS SITE WERE TAKEN AND PLACED ON FILE.

DAVID W. HACKFORD  
DOGM REPRESENTATIVE

7/19/04. 11:00 AM  
DATE/TIME



**Evaluation Ranking Criteria and Ranking Score  
For Reserve and Onsite Pit Liner Requirements**

<u>Site-Specific Factors</u>	<u>Ranking</u>	<u>Site Ranking</u>
Distance to Groundwater (feet)		
>200	0	
100 to 200	5	
75 to 100	10	
25 to 75	15	
<25 or recharge area	20	<u>5</u>
Distance to Surf. Water (feet)		
>1000	0	
300 to 1000	2	
200 to 300	10	
100 to 200	15	
< 100	20	<u>2</u>
Distance to Nearest Municipal Well (feet)		
>5280	0	
1320 to 5280	5	
500 to 1320	10	
<500	20	<u>0</u>
Distance to Other Wells (feet)		
>1320	0	
300 to 1320	10	
<300	20	<u>0</u>
Native Soil Type		
Low permeability	0	
Mod. permeability	10	
High permeability	20	<u>20</u>
Fluid Type		
Air/mist	0	
Fresh Water	5	
TDS >5000 and <10000	10	
TDS >10000 or Oil Base Mud Fluid	15	
containing significant levels of hazardous constituents	20	<u>5</u>
Drill Cuttings		
Normal Rock	0	
Salt or detrimental	10	<u>0</u>
Annual Precipitation (inches)		
<10	0	
10 to 20	5	
>20	10	<u>0</u>
Affected Populations		
<10	0	
10 to 30	6	
30 to 50	8	
>50	10	<u>0</u>
Presence of Nearby Utility Conduits		
Not Present	0	
Unknown	10	
Present	15	<u>0</u>

**Final Score**      32      (Level I Sensitivity)

Sensitivity Level I = 20 or more; total containment is required.

Sensitivity Level II = 15-19; lining is discretionary.

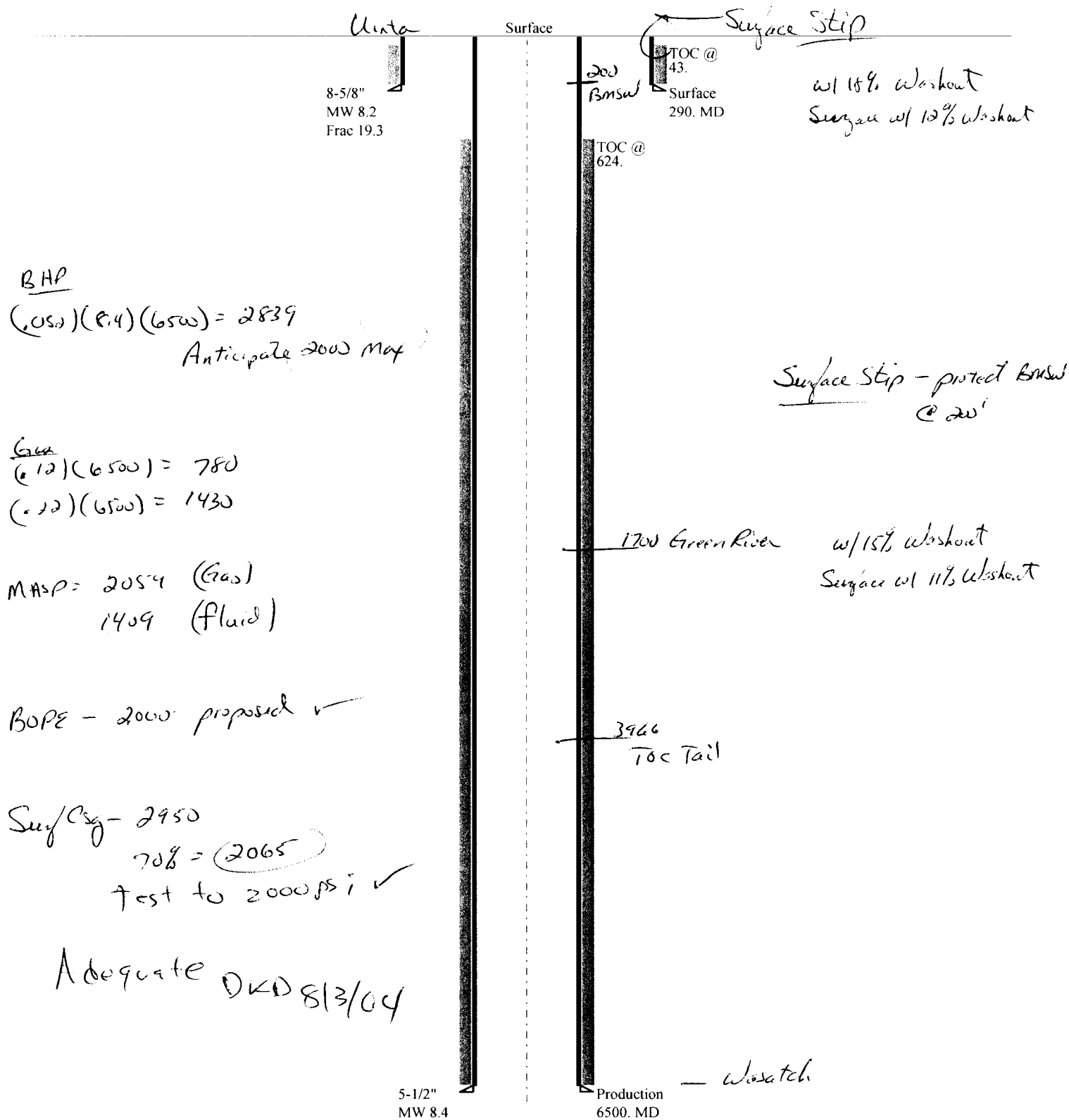
Sensitivity Level III = below 15; no specific lining is required.





07-04 Inland State 1-2-9-1.3

Casing Schematic



Well name:

07-04 Inland State 1-2-9-18

Operator: Inland Production Company

String type: Surface

Project ID:

43-047-35773

Location: Uintah County

**Design parameters:****Collapse**

Mud weight: 8.200 ppg  
Design is based on evacuated pipe.

**Minimum design factors:****Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
Surface temperature: 65 °F  
Bottom hole temperature: 69 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 290 ft

Cement top: 43 ft

**Burst**

Max anticipated surface pressure: 0 psi  
Internal gradient: 0.436 psi/ft  
Calculated BHP 127 psi

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)  
8 Round LTC: 1.80 (J)  
Buttress: 1.60 (J)  
Premium: 1.50 (J)  
Body yield: 1.50 (B)

Tension is based on buoyed weight.  
Neutral point: 254 ft

Non-directional string.

**Re subsequent strings:**

Next setting depth: 6,500 ft  
Next mud weight: 8.400 ppg  
Next setting BHP: 2,836 psi  
Fracture mud wt: 19.250 ppg  
Fracture depth: 290 ft  
Injection pressure 290 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	290	8.625	24.00	J-55	ST&C	290	290	7.972	14
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	124	1370	11.090	127	2950	23.31	6	244	39.98 J

Prepared by: Clinton Dworshak  
Utah Div. of Oil & Mining

Phone: 801-538-5280  
FAX: 801-359-3940

Date: July 30, 2004  
Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 290 ft, a mud weight of 8.2 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

*Engineering responsibility for use of this design will be that of the purchaser.*

Well name:	<b>07-04 Inland State 1-2-9-18</b>	
Operator:	<b>Inland Production Company</b>	
String type:	Production	Project ID: 43-047-35773
Location:	Uintah County	

**Design parameters:**
**Collapse**

Mud weight: 8.400 ppg  
Design is based on evacuated pipe.

**Minimum design factors:**
**Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
Surface temperature: 65 °F  
Bottom hole temperature: 156 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 300 ft  
Cement top: 624 ft

**Burst**

Max anticipated surface pressure: 0 psi  
Internal gradient: 0.436 psi/ft  
Calculated BHP 2,836 psi

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)  
8 Round LTC: 1.80 (J)  
Buttress: 1.60 (J)  
Premium: 1.50 (J)  
Body yield: 1.50 (B)

Non-directional string.

Tension is based on air weight.

Neutral point: 5,674 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	6500 ✓	5.5 ✓	15.50 ✓	J-55 ✓	LT&C ✓	6500	6500	4.825	203.7
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	2836	4040	1.424 ✓	2836	4810	1.70 ✓	101	217	2.15 J ✓

Prepared by: Clinton Dworshak  
Utah Div. of Oil & Mining

Phone: 801-538-5280  
FAX: 801-359-3940

Date: July 30, 2004  
Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 6500 ft, a mud weight of 8.4 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

*Engineering responsibility for use of this design will be that of the purchaser.*



State of Utah

Department of  
Natural Resources

ROBERT L. MORGAN  
*Executive Director*

Division of  
Oil, Gas & Mining

LOWELL P. BRAXTON  
*Division Director*

OLENE S. WALKER  
*Governor*

GAYLE F. McKEACHNIE  
*Lieutenant Governor*

August 3, 2004

Inland Production Company  
Rt. #3, Box 3630  
Myton, UT 84052

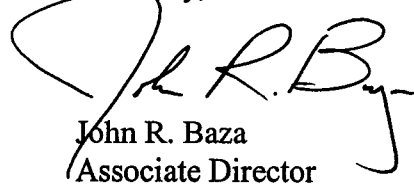
Re: State 1-2-9-18 Well, 502' FNL, 769' FEL, NE NE, Sec. 2, T. 9 South,  
R. 18 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-35773.

Sincerely,

  
John R. Baza  
Associate Director

pab  
Enclosures

cc: Uintah County Assessor  
SITLA

Operator: Inland Production Company

Well Name & Number State 1-2-9-18

API Number: 43-047-35773

Lease: ML-48377

Location: NE NE Sec. 2 T. 9 South R. 18 East

### Conditions of Approval

1. **General**

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. **Notification Requirements**

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- 24 hours prior to cementing or testing casing
- 24 hours prior to testing blowout prevention equipment
- 24 hours prior to spudding the well
- within 24 hours of any emergency changes made to the approved drilling program
- prior to commencing operations to plug and abandon the well

The following are Division of Oil, Gas and Mining contacts and their work telephone numbers (please leave a voice mail message if the person is not available to take the call):

- Dan Jarvis at (801) 538-5338
- Carol Daniels at (801) 538-5284 (spud)

3. **Reporting Requirements**

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological August 3. 2994remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.

5. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)



6. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.
7. Surface casing shall be cemented to the surface.

ARTICLES OF AMENDMENT  
TO THE  
ARTICLES OF INCORPORATION  
OF  
INLAND PRODUCTION COMPANY

FILED  
In the Office of the  
Secretary of State of Texas

SEP 02 2004  
Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

"ARTICLE ONE – The name of the corporation is Newfield Production Company."

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1<sup>st</sup> day of September, 2004.

INLAND RESOURCES INC.

By: Susan G. Riggs  
Susan G. Riggs, Treasurer

## OPERATOR CHANGE WORKSHEET

005

Change of Operator (Well Sold)

Designation of Agent/Operator

## ROUTING

1. GLH

2. CDW

3. FILE

X Operator Name Change

Merger

The operator of the well(s) listed below has changed, effective:

9/1/2004

**FROM:** (Old Operator):  
 N5160-Inland Production Company  
 Route 3 Box 3630  
 Myton, UT 84052  
 Phone: 1-(435) 646-3721

**TO:** (New Operator):  
 N2695-Newfield Production Company  
 Route 3 Box 3630  
 Myton, UT 84052  
 Phone: 1-(435) 646-3721

CA No.

Unit:

## WELL(S)

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS	
FEDERAL 6-11-9-17	11	090S	170E	4304735769		Federal	OW	APD	K
STATE 1-2-9-18	02	090S	180E	4304735773		State	OW	APD	K
STATE 2-2-9-18	02	090S	180E	4304735774		State	OW	APD	K
STATE 3-2-9-18	02	090S	180E	4304735775		State	OW	APD	K
STATE 4-2-9-18	02	090S	180E	4304735776		State	OW	APD	K
STATE 5-2-9-18	02	090S	180E	4304735777	14389	State	OW	P	K
STATE 6-2-9-18	02	090S	180E	4304735778		State	OW	APD	K
STATE 16-2-9-18	02	090S	180E	4304735779		State	OW	APD	K
STATE 15-2-9-18	02	090S	180E	4304735780		State	OW	APD	K
STATE 14-2-9-18	02	090S	180E	4304735781		State	GW	APD	K
STATE 13-2-9-18	02	090S	180E	4304735782		State	OW	APD	K
STATE 12-2-9-18	02	090S	180E	4304735783		State	OW	APD	K
STATE 10-2-9-18	02	090S	180E	4304735784		State	OW	APD	K
STATE 9-2-9-18	02	090S	180E	4304735785		State	OW	APD	K
STATE 8-2-9-18	02	090S	180E	4304735786		State	OW	APD	K
FEDERAL 9-9-9-18	09	090S	180E	4304735764		Federal	OW	APD	K
FEDERAL 7-9-9-18	09	090S	180E	4304735765		Federal	OW	APD	K
FEDERAL 5-9-9-18	09	090S	180E	4304735766		Federal	OW	APD	K
FEDERAL 3-9-9-18	09	090S	180E	4304735767		Federal	OW	APD	K
FEDERAL 1-9-9-18	09	090S	180E	4304735768		Federal	OW	APD	K

## OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/2004
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/2004

3. The new company was checked on the Department of Commerce, Division of Corporations Database on: 2/23/2005
4. Is the new operator registered in the State of Utah: YES Business Number: 755627-0143
5. If NO, the operator was contacted on:

6a. (R649-9-2)Waste Management Plan has been received on: IN PLACE  
6b. Inspections of LA PA state/fee well sites complete on: waived

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA

8. **Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: na/

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/23/2005

#### DATA ENTRY:

1. Changes entered in the Oil and Gas Database on: 2/28/2005
2. Changes have been entered on the Monthly Operator Change Spread Sheet on: 2/28/2005
3. Bond information entered in RBDMS on: 2/28/2005
4. Fee/State wells attached to bond in RBDMS on: 2/28/2005
5. Injection Projects to new operator in RBDMS on: 2/28/2005
6. Receipt of Acceptance of Drilling Procedures for APD/New on: waived

#### FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: UT 0056

#### INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: 61BSBDH2912

#### FEE & STATE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The NEW operator of any fee well(s) listed covered by Bond Number 61BSBDH2919
2. The FORMER operator has requested a release of liability from their bond on: n/a\*  
The Division sent response by letter on: n/a

#### LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The FORMER operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

#### COMMENTS:

\*Bond rider changed operator name from Inland Production Company to Newfield Production Company - received 2/23/05

## STATE OF UTAH

## DIVISION OF OIL, GAS, AND MINING

1. <b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NO. <b>ML-48377</b>
Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells. Use *APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME <b>N/A</b>
OIL <input type="checkbox"/> GAS <input type="checkbox"/> WELL <input type="checkbox"/> WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/>		7. UNIT AGREEMENT NAME <b>N/A</b>
2. NAME OF OPERATOR <b>NEWFIELD PRODUCTION COMPANY</b>		8. WELL NAME and NUMBER <b>STATE 1-2-9-18</b>
3. ADDRESS AND TELEPHONE NUMBER <b>Rt. 3 Box 3630, Myton Utah 84052</b> <b>435-646-3721</b>		9. API NUMBER <b>43-047-35773</b>
4. LOCATION OF WELL  Footages <b>502 FNL 769 FEL</b>  QQ, SEC, T, R, M: <b>NE/NE Section 2, T9S R18E</b>		10. FIELD AND POOL, OR WILDCAT <b>EIGHT MILE FLAT NORTH</b>
		COUNTY <b>UINTAH</b> STATE <b>UTAH</b>

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA	
NOTICE OF INTENT: (Submit in Duplicate) <input type="checkbox"/> ABANDON <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> REPAIR CASING <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> CHANGE OF PLANS <input type="checkbox"/> RECOMPLETE <input type="checkbox"/> CONVERT TO INJECTION <input type="checkbox"/> REPERFORATE <input type="checkbox"/> FRACTURE TREAT OR ACIDIZE <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> MULTIPLE COMPLETION <input type="checkbox"/> WATER SHUT OFF <input checked="" type="checkbox"/> OTHER <u>Permit Extension</u>	SUBSEQUENT REPORT OF: (Submit Original Form Only) <input type="checkbox"/> ABANDON* <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> REPAIR CASING <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> CHANGE OF PLANS <input type="checkbox"/> RECOMPLETE <input type="checkbox"/> CONVERT TO INJECTION <input type="checkbox"/> REPERFORATE <input type="checkbox"/> FRACTURE TREAT OR ACIDIZE <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> OTHER _____ DATE WORK COMPLETED _____ Report results of Multiple Completion and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form. *Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depth for all markers and zones pertinent to this work.

Newfield Inland Production Company requests to extend the Permit to Drill this well for one year. The original approval date was 8/3/04 (expiration 8/3/05).

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AUG 01 2005

13. NAME & SIGNATURE: <u>Mandie Crozier</u>	Regulatory Specialist	DATE: <u>7/26/2005</u>
(This space for State use only)		

\* See Instructions On Reverse Side  
**Approved by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
 Date: 08-03-05  
 By: [Signature]

COPY SENT TO OPERATOR  
 Date: 8-3-05  
 Initials: CHD



## Office of the Secretary of State

The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company  
Filing Number: 41530400

Articles of Amendment

September 02, 2004

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 10, 2004.



A handwritten signature in black ink, appearing to read "G. Connor".

Secretary of State

**Application for Permit to Drill  
Request for Permit Extension  
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

**API:** 43-047-35773  
**Well Name:** State 1-2-9-18  
**Location:** NE/NE Section 2, T9S R18E  
**Company Permit Issued to:** Newfield Production Company  
**Date Original Permit Issued:** 8/3/2004

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes ☐ No ☐ NA

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes ☐ No ☒

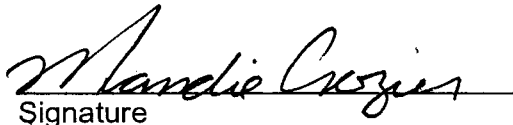
Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes ☐ No ☒

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes ☐ No ☒

Has the approved source of water for drilling changed? Yes ☐ No ☒

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes ☐ No ☒

Is bonding still in place, which covers this proposed well? Yes ☒ No ☐

  
Signature

7/28/05  
Date

Title: Regulatory Specialist

Representing: Newfield Production Company

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AUG 01 2005

DIV. OF OIL, GAS & MINING

## DIVISION OF OIL, GAS AND MINING

### **SPUDDING INFORMATION**

Name of Company: NEWFIELD PRODUCTION COMPANY

Well Name: STATE 1-2-9-18

Api No: 43-047-35773 Lease Type: STATE

Section 02 Township 09S Range 18E County UINTAH

Drilling Contractor LEON ROSS DRILLING RIG # 24

### **SPUDDED:**

Date 11/15/05

Time 1:00 PM

How DRY

**Drilling will Commence:** \_\_\_\_\_

Reported by ALVIN NIELSEN

Telephone # 1-435-823-7468

Date 11/16/2005 Signed CHD



STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
ENTITY ACTION FORM - FORM 6

OPERATOR: **NEWFIELD PRODUCTION COMPANY**  
ADDRESS: **RT. 3 BOX 3630**  
**MYTON, UT 84052**

OPERATOR ACCT. NO. **N2896**

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	15048	43-047-36077	FEDERAL 9-35-8-17	NESE	35	8S	17E	UINTAH	11/09/05	11/17/05
WELL COMMENTS: <b>GRRV</b> - J											
A	99999	15049	43-013-32954	FEDERAL 9-13T-9-16	NESE	13	9S	16E	DUCHESNE	11/09/05	11/17/05
WELL COMMENTS: <b>GRRV</b> - J											
A	99999	15050	43-047-36079	FEDERAL 14-35-8-17	SESW	35	8S	17E	UINTAH	11/10/05	11/17/05
WELL COMMENTS: <b>GRRV</b> - J											
A	99999	15051	43-047-36078	FEDERAL 11-35-8-17	NESW	35	8S	17E	UINTAH	11/14/05	11/17/05
WELL COMMENTS: <b>GRRV</b> - J											
A	99999	15052	43-047-35773	STATE 1-2-9-18	NENE	2	9S	18E	UINTAH	11/15/05	11/17/05
WELL COMMENTS: <b>GRRV</b> - J											
A	99999										
WELL COMMENTS:											

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

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NOV 16 2005

DIV. OF OIL, GAS & MINING

Signature: *Kim Kettle*  
Kim Kettle  
Production Clerk  
November 16, 2005  
Title: \_\_\_\_\_ Date: \_\_\_\_\_

11/16/2005 10:19

4356463031

INLAND

PAGE 02

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER:  
ML48377

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ OTHER ☐

8. WELL NAME and NUMBER:  
STATE 1-2-9-18

2. NAME OF OPERATOR:  
Newfield Production Company

9. API NUMBER:  
4304735733 43-042-35723

3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052 PHONE NUMBER 435.646.3721

10. FIELD AND POOL, OR WILDCAT:  
Monument Butte

4. LOCATION OF WELL:

FOOTAGES AT SURFACE: 502 FNL 769 FEL

COUNTY: Uintah

OTR/OTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NE/NE, 2, T9S, R18E

STATE: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
	SubDate			
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will  _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON	
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion:  11/20/2005	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Spud Notice	
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION		

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

On 11/16/2005 MIRU Ross Rig # 24. Spud well @ 1:00 PM. Drill 315' of 12 1/4" hole with air mist. TIH W/ 8 Jt's 8 5/8" J-55 24 # csgn. Set @ 320.65' KB On 11/19/2005 cement with 160 sks of class "G" w/ 2% CaCL2 + 1/4# sk Cello- Flake Mixed @ 15.8 ppg > 1.17 cf/ sk yeild. Returned 4 bbls cement to pit. WOC.

NAME (PLEASE PRINT) Troy Zufelt

TITLE Drilling Foreman

SIGNATURE

DATE 11/20/2005

(This space for State use only)

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NOV 25 2005

DIV. OF OIL, GAS & MINING

# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

8 5/8 CASING SET AT 320.65

LAST CASING 8 5/8" SET AT 320.65  
 DATUM 12' KB  
 DATUM TO CUT OFF CASING \_\_\_\_\_  
 DATUM TO BRADENHEAD FLANGE \_\_\_\_\_  
 TD DRILLER 315' LOGGER N/A  
 HOLE SIZE 12 1/4

OPERATOR Newfield Production  
 WELL State 1-2-9-18  
 FIELD/PROSPECT Monument Butte  
 CONTRACTOR & RIG # Ross Rig # 24

LOG OF CASING STRING:							
PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		38.38' SH jt					
		WHI - 92 csg head			8rd	A	0.95
8	8 5/8"	Maverick ST&C csg	24#	J-55	8rd	A	308.8
		<b>GUIDE</b> shoe			8rd	A	0.9
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			310.65
TOTAL LENGTH OF STRING		310.65	8	LESS CUT OFF PIECE			2
LESS NON CSG. ITEMS		1.85		PLUS DATUM TO T/CUT OFF CSG			12
PLUS FULL JTS. LEFT OUT		0		CASING SET DEPTH			<b>320.65</b>
TOTAL		308.8	8	} COMPARE			
TOTAL CSG. DEL. (W/O THRS)		308.8	8				
TIMING		1ST STAGE					
BEGIN RUN CSG.	Spud	11/16/2005	9:00 AM	GOOD CIRC THRU JOB <u>Yes</u>			
CSG. IN HOLE		11/18/2005	1:00 PM	Bbls CMT CIRC TO SURFACE <u>4</u>			
BEGIN CIRC		11/19/2005	12:51 PM	RECIPROCATED PIPE IN/A <u>N/A</u>			
BEGIN PUMP CMT		11/19/2005	1:04 PM	DID BACK PRES. VALVE HOLD ? <u>N/A</u>			
BEGIN DSPL. CMT		11/19/2005	13:14	BUMPED PLUG TO <u>515</u> PSI			
PLUG DOWN		11/19/2005	1:23 PM				
CEMENT USED		CEMENT COMPANY- <b>B. J.</b>					
STAGE	# SX	CEMENT TYPE & ADDITIVES					
1	160	Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake mixed @ 15.8 ppg 1.17 cf/sk yield					
CENTRALIZER & SCRATCHER PLACEMENT		SHOW MAKE & SPACING					
Centralizers - Middle first, top second & third for 3							

COMPANY REPRESENTATIVE Troy Zufelt DATE 11/20/2005

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DIV. OF OIL, GAS & MINING

# CEMENT JOB REPORT



<b>CUSTOMER</b> Newfield Exploration Company			<b>DATE</b> 19-NOV-05		<b>F.R. #</b> 1001192599		<b>SERV. SUPV.</b> Scott Timothy				
<b>LEASE &amp; WELL NAME</b> STATE 1-2-9-18 - API 43047357730000			<b>LOCATION</b> 2-9S-18E			<b>COUNTY-PARISH-BLOCK</b> Uintah Utah					
<b>DISTRICT</b> Vernal			<b>DRILLING CONTRACTOR RIG #</b>			<b>TYPE OF JOB</b> Surface					
<b>SIZE &amp; TYPE OF PLUGS</b>		<b>LIST-CSG-HARDWARE</b>			<b>PHYSICAL SLURRY PROPERTIES</b>						
Cement Plug, Wooden, Top 8-5/8 in		Guide Shoe, Cement Nose, 8-5/8 in			<b>SACKS OF CEMENT</b>	<b>SLURRY WGT PPG</b>	<b>SLURRY YLD FT<sup>3</sup></b>	<b>WATER GPS</b>	<b>PUMP TIME HR:MIN</b>	<b>Bbl SLURRY</b>	<b>Bbl MIX WATER</b>
Insert Float, AFU, STC, 8-5/8 - 8rd											
<b>MATERIALS FURNISHED BY BJ</b>											
Dyed Water						8.34				10	
Gelled Spacer						8.34				10	
Fresh water						8.34				10	
G+2% CaCl + 0.25# Celloflake					160	15.8	1.17	5	01:30	33.3	19.02
Fresh Water						8.34				17.2	
Available Mix Water <u>90</u> Bbl. Available Displ. Fluid <u>70</u> Bbl.					<b>TOTAL</b>					80.5	19.02
<b>HOLE</b>			<b>TBG-CSG-D.P.</b>				<b>COLLAR DEPTHS</b>				
<b>SIZE</b>	<b>% EXCESS</b>	<b>DEPTH</b>	<b>SIZE</b>	<b>WGT.</b>	<b>TYPE</b>	<b>DEPTH</b>	<b>GRADE</b>	<b>SHOE</b>	<b>FLOAT</b>	<b>STAGE</b>	
12.25	0	315	8.625	24	CSG	309	J-55	308	269.64		0
<b>LAST CASING</b>			<b>PKR-CMT RET-BR PL-LINER</b>			<b>PERF. DEPTH</b>		<b>TOP CONN</b>		<b>WELL FLUID</b>	
<b>SIZE</b>	<b>WGT</b>	<b>TYPE</b>	<b>DEPTH</b>	<b>BRAND &amp; TYPE</b>		<b>TOP</b>	<b>BTM</b>	<b>SIZE</b>	<b>THREAD</b>	<b>TYPE</b>	<b>WGT.</b>
				NO PACKER		0	0	0	8.625	8 RD	FRESH WATER
<b>DISPL. VOLUME</b>		<b>DISPL. FLUID</b>		<b>CAL. PSI</b>	<b>CAL. MAX PSI</b>	<b>OP. MAX</b>	<b>MAX TBG PSI</b>	<b>MAX CSG PSI</b>		<b>MIX WATER</b>	
<b>VOLUME</b>	<b>UOM</b>	<b>TYPE</b>	<b>WGT.</b>	<b>BUMP PLUG</b>	<b>TO REV.</b>	<b>SQ. PSI</b>	<b>RATED</b>	<b>Operator</b>	<b>RATED</b>	<b>Operator</b>	
17.2	BBLS	Fresh Water	8.34	105	0	0	0	0	2360	750	TRUCK
<b>EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: NONE</b>											
<b>PRESSURE/RATE DETAIL</b>						<b>EXPLANATION</b>					
<b>TIME HR:MIN.</b>	<b>PRESSURE - PSI</b>		<b>RATE BPM</b>	<b>Bbl. FLUID PUMPED</b>	<b>FLUID TYPE</b>	<b>SAFETY MEETING: BJ CREW</b> <input checked="" type="checkbox"/> <b>CO. REP.</b> <input checked="" type="checkbox"/>					
	<b>PIPE</b>	<b>ANNULUS</b>				<b>TEST LINES</b> 3520 PSI					
						<b>CIRCULATING WELL - RIG</b> <input type="checkbox"/> <b>BJ</b> <input checked="" type="checkbox"/>					
12:05	0	0	0	0		ARRIVE LOCATION - SAFTY MEETING					
12:20	0	0	0	0		PREJOB SAFTY MEETING - RIG UP TO CEMENT					
12:49	1580	0	0	0	H2O	SET POP OFF VALVE					
12:51	3520	0	0	0	H2O	PRESSURE TEST PUMP & LINES					
12:55	20	0	3.3	10	DYE	START DYED WATER					
12:58	35	0	3.3	10	GEL	START GELLED WATER					
13:01	45	0	3.3	10	H2O	START FRESH WATER SPACER					
13:04	55	0	3.6	33.3	CMT	START CEMENT SLURRY @ 15.8 PPG					
13:13	0	0	0	0		END CEMENT SLURRY SHUT DOWN					
13:14	79	0	3.3	10	H2O	DROP PLUG START FRESH WATER DISPLACEMENT					
13:17	101	0	1.8	7.2	H2O	SLOW DISPLACEMENT RATE TO BUMP PLUG					
13:21	130	0	0	0		END DISPLACEMENT BUMP PLUG -385 PSI OVER ON PLUG					
13:22	480	0	0	0		BLEED PRESSURE TO 100 PSI					
13:23	100	0	.5	.5	H2O	REBUMP PLUG					
13:24	515	0	0	0		BLEED PRESSURE TO 250 PSI & SHUT IN WELL					
	0	0	0	0		WELL CIRCULATING 17 TOTAL BBLS GONE					
	0	0	0	0		DYE TO SURFACE 36 TOTAL BBLS GONE					
	0	0	0	0		CEMENT TO SURFACE 13 BBLS DISPLACEMENT GONE					
	0	0	0	0		4 BBLS CEMENT CIRCULATED TO PIT					
						THANK YOU SCOTT & CREW					

Report Printed on: NOV-19-05 13:50:31

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DIV. OF OIL, GAS & MINING

# CEMENT JOB REPORT



PRESSURE/RATE DETAIL						EXPLANATION	
TIME HR:MIN.	PRESSURE - PSI		RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <input checked="" type="checkbox"/>	
	PIPE	ANNULUS				TEST LINES 3520 PSI	
						CIRCULATING WELL - RIG <input type="checkbox"/> BJ <input checked="" type="checkbox"/>	
BUMPED PLUG <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	PSI TO BUMP PLUG 130	TEST FLOAT EQUIP. <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	BBL.CMT RETURNS/ REVERSED 4	TOTAL BBL. PUMPED 81	PSI LEFT ON CSG 250	SPOT TOP OUT CEMENT Y <input checked="" type="checkbox"/> N	SERVICE SUPERVISOR SIGNATURE: <i>Scott J. Smith</i>

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NOV 25 2005

DIV. OF OIL, GAS & MINING

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER:  
ML48377

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ OTHER

8. WELL NAME and NUMBER:  
STATE 1-2-9-18

2. NAME OF OPERATOR:  
Newfield Production Company

9. API NUMBER:  
4304735773

3. ADDRESS OF OPERATOR:  
Route 3 Box 3630 CITY Myton STATE UT ZIP 84052

PHONE NUMBER  
435.646.3721

10. FIELD AND POOL, OR WILDCAT:  
Monument Butte

4. LOCATION OF WELL:  
FOOTAGES AT SURFACE: 502 FNL 769 FEL

COUNTY: Uintah

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NE/NE, 2, T9S, R18E

STATE: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
	SubDate		TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will  	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON	
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion:  12/04/2005	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Weekly Status Report	
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION		

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

On 11/29/2005 MIRU Patterson Rig # 155. Set all equipment. Pressure test Kelly, TIW, Choke manifold, & Bop's to 2,000 psi. Test 8.625 csgn to 1,500 psi. Vernal BLM field, & Roosevelt DOGM office was notified of test. PU BHA and tag cement @ 282'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 6,002'. Lay down drill string & BHA. Open hole log w/ Dig/SP/GR log's TD to surface. PU & TIH with Guide shoe, shoe jt, float collar, 135 jt's of 5.5 J-55, 15.5# csgn. Set @ 5969.95' / KB. Cement with 350sks cement mixed @ 11.0 ppg & 3.43 yld. The 450 sks cement mixed @ 14.4 ppg & 1.24 yld. With all spacers returned to pit. Nipple down Bop's. Drop slips @ 88,000 #'s tension. Release rig 6:30 PM on 12/23/2005.

NAME (PLEASE PRINT) Floyd Mitchell

TITLE Drilling Supervisor

SIGNATURE

*Floyd Mitchell*

DATE 12/04/2005

(This space for State use only)

DEC 07 2005

# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

5 1/2" CASING SET AT 5969.95

LAST CASING 8 5/8" SET / 320.65

DATUM 12' KB

DATUM TO CUT OFF CASING 12'

DATUM TO BRADENHEAD FLANGE \_\_\_\_\_

TD DRILLER 6000' Loggers TD 5999'

HOLE SIZE 7 7/8"

Fit cllr @ 5926.9

OPERATOR Newfield Production Company

WELL State 1-2-9-18

FIELD/PROSPECT Monument Butte

CONTRACTOR & RIG # Patterson # 155

## LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Landing Jt					14
	SHJT	5.75 @ 4115					
135	5 1/2"	ETC LT & C casing	15.5#	J-55	8rd	A	5912.3
		Float collar					0.6
1	5 1/2"	ETC LT&C csg	15.5#	J-55	8rd	A	44.4
		GUIDE shoe			8rd	A	0.65
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			5971.95
TOTAL LENGTH OF STRING		5971.95	136	LESS CUT OFF PIECE			14
LESS NON CSG. ITEMS		15.25		PLUS DATUM TO T/CUT OFF CSG			12
PLUS FULL JTS. LEFT OUT		133.09	3	CASING SET DEPTH			5969.95
TOTAL		6089.79	139	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		6089.79	139				
TIMING		1ST STAGE	2nd STAGE				
BEGIN RUN CSG.		12/3/2005	6:00 AM	GOOD CIRC THRU JOB Yes			
CSG. IN HOLE		12/3/2005	10:30 AM	Bbls CMT CIRC TO SURFACE All spacers to pit			
BEGIN CIRC		12/3/2005	10:30 AM	RECIPROCATED PIPE FOR THRUSTROKE			
BEGIN PUMP CMT		12/3/2005	12:28 PM	DID BACK PRES. VALVE HOLD ? yes			
BEGIN DSPL. CMT		12/3/2005	12:53 PM	BUMPED PLUG TO 2100 PSI			
PLUG DOWN		12/3/2005	1:24 PM				
CEMENT USED		CEMENT COMPANY- B. J.					
STAGE	# SX	CEMENT TYPE & ADDITIVES					
1	350	Premlite II w/ 10% gel + 3 % KCL, 3#s /sk CSE + 2# sk/kolseal + 1/2#s/sk Cello Flake					
		mixed @ 11.0 ppg W / 3.43 cf/sk yield					
2	450	50/50 poz W/ 2% Gel + 3% KCL, .5%EC1,1/4# sk C.F. 2% gel. 3% SM mixed @ 14.4 ppg W/ 1.24 YLD					
CENTRALIZER & SCRATCHER PLACEMENT			SHOW MAKE & SPACING				
Centralizers - Middle first, top second & third. Then every third collar for a total of 20.							

COMPANY REPRESENTATIVE Troy Zufelt

DATE 12/2/2005



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER	5. LEASE DESIGNATION AND SERIAL NUMBER: ML48377
2. NAME OF OPERATOR: Newfield Production Company	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052	7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 502 FNL 769 FEL	8. WELL NAME and NUMBER: STATE 1-2-9-18
OTR/OTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NE/NE, 2, T9S, R18E	9. API NUMBER: 4304735773
	10. FIELD AND POOL, OR WILDCAT: Monument Butte
	COUNTY: Uintah
	STATE: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	SubDate	TYPE OF ACTION
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will 01/27/2006	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE		<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/STOP) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion:			<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLAIR <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: - Variance

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Newfield Production Company is requesting a variance from Onshore Order 43 CFR Part 3160 Section 4 requiring production tanks to be equipped with Enardo or equivalent vent line valves. Newfield operates wells that produce from the Green River formation, which are relatively low gas producers (20 mcfpd). The majority of the wells are equipped with a three phase separator to maximize gas separation and sales.

Newfield is requesting a variance for safety reasons. Crude oil production tanks equipped with back pressure devices will emit a surge of gas when the thief hatches are open. While gauging tanks, lease operators will be subject to breathing toxic gases as well as risk a fire hazard, under optimum conditions

NAME (PLEASE PRINT) Mandi Crozier TITLE Regulatory Specialist  
SIGNATURE *Mandi Crozier* DATE 01/30/2006

(This space for State use only)

Accepted by  
Utah Division of  
Oil, Gas and Mining  
Date: 2/3/06  
By: *[Signature]*

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STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NUMBER: ML48377
2. NAME OF OPERATOR: Newfield Production Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 502 FNL 769 FEL		8. WELL NAME and NUMBER: STATE 1-2-9-18
5. PHONE NUMBER: 435.646.3721		9. API NUMBER: 4304735773
6. QTR/OTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NE/NE, 2, T9S, R18E		10. FIELD AND POOL, OR WILDCAT: Monument Butte
7. COUNTY: Uintah		8. STATE: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	SubDate	TYPE OF ACTION
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will 01/27/2006	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/STOP) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLAIR <input checked="" type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input type="checkbox"/> OTHER: -
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion:			

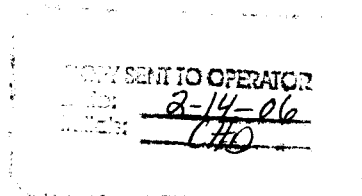
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Formation water is produced to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

Accepted by the  
Utah Division of  
Oil, Gas and Mining

Date: 02-06-06  
By: [Signature]



NAME (PLEASE PRINT) Mandie Crozier TITLE Regulatory Specialist  
SIGNATURE [Signature] DATE 01/30/2006

(This space for State use only)

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FEB 03 2006

DIV. OF OIL, GAS & MINING

(See other instructions on reverse side)

OMB NO. 1004-0137  
Expires: February 28, 1995

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG\***

**1a. TYPE OF WORK**

OIL WELL ☒ GAS WELL ☐ DRY ☐ Other \_\_\_\_\_

**1b. TYPE OF WELL**

NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RESVR. ☐ Other \_\_\_\_\_

**2. NAME OF OPERATOR**

Newfield Exploration Company

**3. ADDRESS AND TELEPHONE NO.**

1401 17th St. Suite 1000 Denver, CO 80202

**4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.)\***

At Surface 502' FNL & 769' FEL (NE/NE) Sec. 2, T9S, R18E  
At top prod. Interval reported below

**At total depth**

14. API NO. 43-047-35773 DATE ISSUED 8/3/04

12. COUNTY OR PARISH Uintah 13. STATE UT

15. DATE SPUDDED 11/16/05 16. DATE T.D. REACHED 12/2/05 17. DATE COMPL. (Ready to prod.) 1/27/06 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 4824' GL 4836' KB 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 6002' 21. PLUG BACK T.D., MD & TVD 5924' 22. IF MULTIPLE COMPL., HOW MANY\* 23. INTERVALS DRILLED BY -----> 24. ROTARY TOOLS X 25. CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)\*  
Green River 4276'-5670'  
25. WAS DIRECTIONAL SURVEY MADE No

**26. TYPE ELECTRIC AND OTHER LOGS RUN**

Dual Induction Guard, SP, Compensated Density, Compensated Neutron, GR, Caliper, Cement Bond Log

27. WAS WELL CORED No

**23. CASING RECORD (Report all strings set in well)**

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8" - J-55	24#	321'	12-1/4"	To surface with 160 sx Class "G" cmt	
5-1/2" - J-55	15.5#	5970'	7-7/8"	350 sx Premlite II and 450 sx 50/50 Poz	

**29. LINER RECORD**

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	EOT @ 5725'	TA @ 5628'

**31. PERFORATION RECORD (Interval, size and number)**

INTERVAL	SIZE	SPF/NUMBER	DEPT. INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
(A2) 5552'-56', 5592'-5604', 5644'-53', 5667'-70'	.41"	4/112	5552'-5670'	Frac w/ 99,471# 20/40 sand in 731 bbls fluid
(A1) 5224'-5232'	.41"	4/32	5224'-5232'	Frac w/ 55,139# 20/40 sand in 474 bbls fluid
(C) 4971'-4980'	.41"	4/36	4971'-4980'	Frac w/ 25,016# 20/40 sand in 330 bbls fluid
(GB4) 4276'-4280', 4302'-4310'	.41"	4/48	4276'-4310'	Frac w/ 61,545# 20/40 sand in 468 bbls fluid

**33.\* PRODUCTION**

DATE FIRST PRODUCTION 1/27/06		PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) 2-1/2" x 1-1/2" x 15' RHAC SM Plunger Pump					WELL STATUS (Producing or shut-in) PRODUCING	
DATE OF TEST 30 day ave	HOURS TESTED	CHOKER SIZE	PROD'N. FOR TEST PERIOD ----->	OIL--BBL. 54	GAS--MCF. 29	WATER--BBL. 0		GAS-OIL RATIO 537
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE ----->	OIL--BBL.	GAS--MCF.		WATER--BBL.		OIL GRAVITY-API (CORR.)
RECEIVED								

**34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)**

Sold & Used for Fuel

**MAR 01 2006**

**TEST WITNESSED BY**

**35. LIST OF ATTACHMENTS**

**DIV. OF OIL, GAS & MINING**

I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

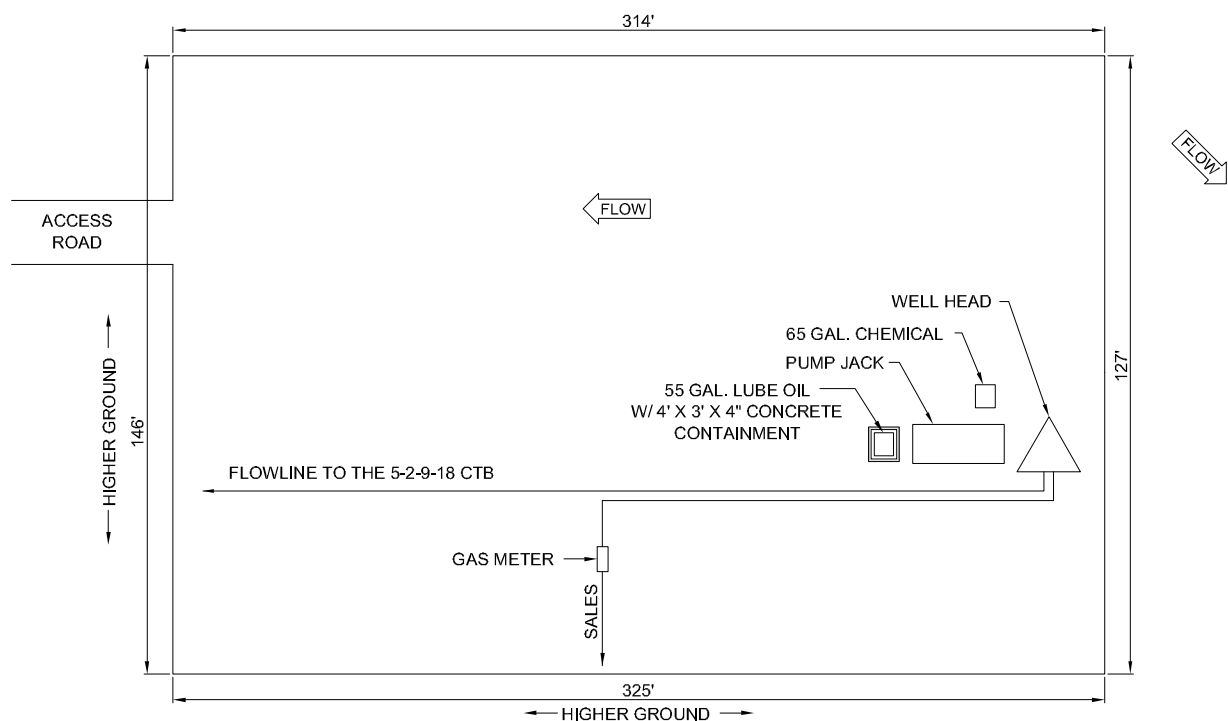
SIGNED *M. K. Crozier*  
M. K. Crozier

Regulatory Specialist



2/27/2006

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
			Well Name State 1-2-9-18		MEAS. DEPTH	TRUE VERT. DEPTH
				Garden Gulch Mkr	3800'	
				Garden Gulch 1	4001'	
				Garden Gulch 2	4115'	
				Point 3 Mkr	4383'	
				X Mkr	4589'	
				Y-Mkr	4628'	
				Douglas Creek Mkr	4758'	
				BiCarbonate Mkr	5020'	
				B Limestone Mkr	5153'	
				Castle Peak	5529'	
				Basal Carbonate	5928'	
				Total Depth (LOGGERS	5999'	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> ML-48377
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>3. ADDRESS OF OPERATOR:</b> 1001 17th Street, Suite 2000 , Denver, CO, 80202		<b>8. WELL NAME and NUMBER:</b> STATE 1-2-9-18
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0502 FNL 0769 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENE Section: 02 Township: 09.0S Range: 18.0E Meridian: S		<b>9. API NUMBER:</b> 43047357730000
<b>9. FIELD and POOL or WILDCAT:</b> 8 MILE FLAT NORTH		<b>COUNTY:</b> UINTAH
<b>STATE:</b> UTAH		
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 1/6/2014	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> CONVERT WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input checked="" type="checkbox"/> OTHER	
	OTHER: <span style="border: 1px solid black; padding: 2px;">Site Facility/Site Security</span>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. <b>SEE ATTACHED REVISED SITE FACILITY DIAGRAM</b>		
Accepted by the Utah Division of Oil, Gas and Mining <b>FOR RECORD ONLY</b> January 08, 2014		
<b>NAME (PLEASE PRINT)</b> Jill L Loyle	<b>PHONE NUMBER</b> 303 383-4135	<b>TITLE</b> Regulatory Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 1/6/2014	



Federal Lease #: UTU-87538X (ML-48377)

	<b>STATE 1-2-9-18</b>	
	Newfield Exploration Company NENE Sec 2, T9S, R18E Uintah County, UT	
	N.T.S.	
	M.G.	
DEC 2012		

RECEIVED: Jan. 06, 2014